







## ABOUT US

VENOM is a leading brand of high performance lubricants with the focus on innovative ideas and continuous improvement.


The combination of a wide range of technically advanced products in automotive and industrial segments with customer focus approach, makes Venom as a preferred choice of lubricants.

VENOM has an ISO certified production facility, located strategically in Hamriya Free Zone to serve all kinds of global clients.





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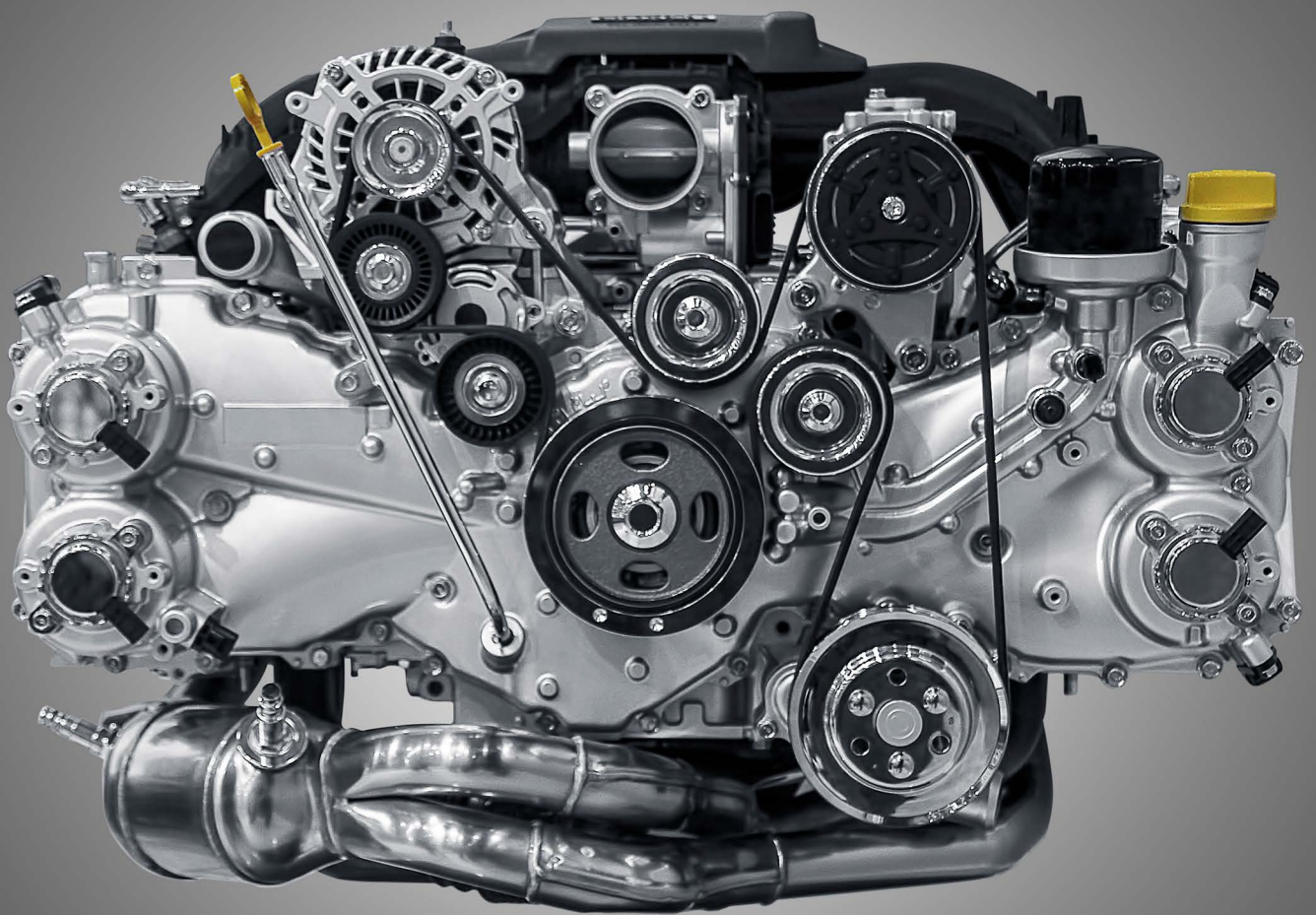
# AUTOMOTIVE

Automotive lubricant products of VENOM are specially made to provide maximum engine performance, protection and longer life to engines.

VENOM has wide range of automotive grades to cater to heavy duty trucks, passenger cars, racing bikes, buses and utility vans.







**POWER TO PERFORM**



# HDDEO







**HDDEO**

12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### TURBO X-TRA - API CK-4/SN

Turbo X-Tra is a premium quality heavy-duty engine oil that helps extend engine life, allowing you to run your business with confidence and off-highway applications while delivering outstanding performance in modern high-output, low-emission engines fitted with EGR, DPF, DOC, and SCR – Ad-blue NOx reduction systems. The exceptional low-temperature fluidity and pumpability in combination with the sophisticated additive system ensure maximum engine wear performance and support longer engine life. Turbo X-Tra is designed for on-road vehicles meeting Euro VI and off-road vehicles meeting EU stage IIIA, IIIB, IV, and US Tier 4 emission standards.

**SYN / SEMI SYN**

SAE GRADE	0W-30	0W-40	5W-30	5W-40	10W-30	10W-40
ART NO.	101710	101711	101713	101714	101716	101717

#### Performance Levels (Meets & Exceeds):

- |                     |                        |                          |                       |
|---------------------|------------------------|--------------------------|-----------------------|
| • API CK-4/SN       | • ACEA E6/E8/E9/E11-22 | • Mack EOS-4.5           | • Deutz DQC IV-LA     |
| • Caterpillar ECF-3 | • Renault RLD-4        | • MAN M3677/M3777        | • Ford WSS-M2C 171-F1 |
| • Volvo VDS-4.5     | • DDC 93K222           | • Scania Low Ash / LDF-4 |                       |
| • Cummins CES 20086 | • MTU Type 3.1         | • MB 228.51/228.31       |                       |



### TURBO X-TRA HD - API CK-4/SN

Turbo X-Tra HD is an advanced quality heavy-duty diesel engine oil that is specifically blended to deliver longer oil drain intervals. This product meets/exceeds original equipment manufacturer (OEM) requirements and delivers high performance in both on and off-highway applications while delivering outstanding performance in modern high-output, low-emission engines fitted with EGR. Turbo X-Tra HD is also compatible with the latest exhaust after-treatment systems such as DPF, DOC, and SCR. The exceptional low-temperature fluidity and pumpability in combination with the sophisticated additive system ensure maximum engine wear protection and support longer engine life.

**SYN / SEMI SYN / MIN**

SAE GRADE	0W-30	0W-40	5W-30	5W-40	10W-30	10W-40	15W-40
ART NO.	102710	102711	102713	102714	102716	102717	102721

#### Performance Levels (Meets & Exceeds):

- |                     |                       |                      |                |
|---------------------|-----------------------|----------------------|----------------|
| • API CK-4/SN       | • MB 228.31           | • Ford WSS-M2C171-F1 | • DDC 93K222   |
| • Caterpillar ECF-3 | • ACEA E9/E11-22      | • Mack EOS-4.5       | • MTU Type 2.1 |
| • Volvo VDS-4.5     | • Deutz DQC III-18 LA | • MAN M3775          | • JASO DH-2    |
| • Cummins CES 20086 | • Renault RLD-3       | • MAN M3475          | • DTFR 15C100  |



### TURBO UHPD - API CJ-4

Turbo UHPD is a premium quality heavy-duty engine oil that is specially developed for vehicles with modern exhaust after-treatment and turbocharger. The new advanced "Mid SAPS" technology meeting Euro VI, helps towards long engine life and maintains the efficiency of after-treatment systems such as Diesel Particulate Filters (DPFs).

**SYN / SEMI SYN**

SAE GRADE	0W-30	0W-40	5W-30	5W-40	10W-30	10W-40
ART NO.	103710	103711	103713	103714	103716	103717

#### Performance Levels (Meets & Exceeds):

- |                     |                                 |                           |                           |
|---------------------|---------------------------------|---------------------------|---------------------------|
| • API CJ-4          | • ACEA E9/E7/E6/E4              | • MB 228.31/228.51/235.28 | • MAN M3677/M3691 (5W-30) |
| • Caterpillar ECF-3 | • Deutz DQC IV-10 LA            | • MAN M3271/M3477/M3575   | • MAN M3677/M3691         |
| • Volvo VDS-4       | • Renault RLD-3                 | • DDC 93K218              |                           |
| • Cummins CES 20081 | • Scania Low Ash, LDF-4 (5W-30) | • MTU Type 2.1/3.1        |                           |
| • Mack EO-O PP      | • JASO DH-2                     | • VOITH Class B           |                           |





12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## TURBO X-MAX - API CJ-4/SN

Turbo X-Max is a fully synthetic heavy-duty diesel engine oil that combines advanced engine protection for modern fewer emissions vehicles with enhanced fuel economy potential in modern diesel engines operating in severe conditions. The product meets the API CJ-4 specification by utilizing state-of-the-art technology to deliver exceptional performance in modern low-emission engines, including those with Exhaust Gas Recirculation (EGR), after-treatment systems with Diesel Particulate Filters (DPF's) and Diesel Oxidation Catalysts (DOC's).

**FULLY SYNTHETIC**

SAE GRADE	0W-30	0W-40	5W-30	5W-40
ART NO.	104710	104711	104713	104714

### Performance Levels (Meets & Exceeds):

- |                           |                     |                     |                      |
|---------------------------|---------------------|---------------------|----------------------|
| • API CJ-4/SN             | • Caterpillar ECF-3 | • Renault RLD-3     | • DEUTZ DQC III-18LA |
| • ACEA E9/E11-22          | • MAN M3477         | • DDC 93K218        | • FORD WSS-M2C171-F1 |
| • MB 228.31 (DTFR 15C100) | • VOLVO VDS-4       | • Cummins CES 20081 | • MTU Type 3.1       |



## TURBO X-MAX - API CJ-4/SN

Turbo X-Max is a premium quality, semi synthetic, low emission, heavy-duty engine oil designed for naturally aspirated and turbo-charged 4-stroke diesel and petrol engines in on- and off-highway and construction machinery applications. It is formulated with a range of the latest technology dispersants, detergents, oxidation inhibition, anti-wear, anti-corrosion, viscosity improver, and foam suppression additives, and is recommended for extended drain intervals.

**SEMI SYNTHETIC**

SAE GRADE	10W-30	10W-40
ART NO.	104716	104717

### Performance Levels (Meets & Exceeds):

- |                           |                     |                     |                      |
|---------------------------|---------------------|---------------------|----------------------|
| • API CJ-4/SN             | • Caterpillar ECF-3 | • Renault RLD-3     | • DEUTZ DQC III-18LA |
| • ACEA E9/E11-22          | • MAN M3477         | • DDC 93K218        | • FORD WSS-M2C171-F1 |
| • MB 228.31 (DTFR 15C100) | • VOLVO VDS-4       | • Cummins CES 20081 | • MTU Type 3.1       |



## TURBO X-MAX - API CJ-4/SN

Turbo X-Max is an advanced mineral diesel engine oil that maximises engine performance in the latest US, European and Japanese heavy-duty diesel engines including severe applications such as high loads and multi-trailer operations.

**MINERAL**

SAE GRADE	15W-40	20W-50
ART NO.	104721	104727

### Performance Levels (Meets & Exceeds):

- |                           |                     |                     |                      |
|---------------------------|---------------------|---------------------|----------------------|
| • API CJ-4/SN             | • Caterpillar ECF-3 | • Renault RLD-3     | • DEUTZ DQC III-18LA |
| • ACEA E9/E11-22          | • MAN M3477         | • DDC 93K218        | • FORD WSS-M2C171-F1 |
| • MB 228.31 (DTFR 15C100) | • VOLVO VDS-4       | • Cummins CES 20081 | • MTU Type 3.1       |





**HDDEO**

12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### TURBO XHPD - API CI-4

Turbo XHPD is an extra high-performance diesel engine oil developed to provide outstanding lubrication to modern, high-performance diesel engines operating in severe on- and off-highway applications. This product has been blended with premium quality base oils which provide excellent low-temperature fluidity, high-temperature viscosity retention, volatility control, and fuel economy improvement. These base oils are fortified with an advanced additive system which assures superior control of oil thickening caused by soot buildup and high-temperature oxidation. It is formulated to provide long oil drain intervals in modern diesel engines.

**SYNTHETIC / SEMI SYNTHETIC**

**SAE GRADE** 0W-40 5W-40 10W-40

**ART NO.** 105711 105714 105717

#### Performance Levels (Meets & Exceeds):

- API CI-4
- ACEA E7, E4
- MB 228.5
- MAN M3277
- Volvo VDS-3
- Scania LDF-2
- MACK EO-M Plus
- Cummins CES 20077/78
- Renault RXD/RLD-2
- MTU Type 3



### TURBO X-TREM LE - API CI-4

Turbo X-Trem LE is an extra high performance "Low SAPS" diesel engine oil formulated to provide protection for highly rated diesel engines running in severe service conditions. This product meets the current heavy-duty truck OEM specifications required for engines meeting the latest EU emission standard Euro VI. It is strongly recommended for EGR diesel engines fitted with after-treatment systems such as DPFs and SCR NOx reduction systems.

**SYNTHETIC / SEMI SYNTHETIC**

**SAE GRADE** 5W-30 10W-30 10W-40

**ART NO.** 106713 106716 106717

#### Performance Levels (Meets & Exceeds):

- API CI-4
- ACEA E6/E7
- MB 228.51/226.9
- MAN M3477/M3271
- Volvo VDS-4
- MACK EO-N
- Cummins CES 20076/77
- Renault RXD/RGD/RLD-2
- MTU Type 3.1
- DAF
- VOITH Class B
- DEUTZ DQC IV-10 LA
- JASO DH-2



### TURBO LDF3 - API CF

Turbo LDF3 is an extra high-performance diesel engine oil designed to deliver highly responsive protection that continuously adapts to your driving conditions. High-performance diesel engines are used in severe on- and off-highway applications. This product is blended using high-performance base oils which are enhanced with an advanced multi-functional additive technology that provides long drain intervals in modern diesel engines. Turbo LDF3 is recommended for Euro VI and previous engine models of most manufacturers.

**SYNTHETIC / SEMI SYNTHETIC**

**SAE GRADE** 5W-30 10W-30 10W-40

**ART NO.** 107713 107716 107717

#### Performance Levels (Meets & Exceeds):

- API CF
- ACEA E7/E4
- MB 228.5/235.28
- Scania LDF-3
- DAF Extended Drain
- MAN M 3277
- Cummins CES 20077
- Renault RLD-2/RXD
- MTU Type 3
- Mack EO-M Plus
- DEUTZ DQC III-10
- Volvo VDS-3
- FORD WSS-M2C212-A1
- VOITH Class B
- IVECO





12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## TURBO MAX - API CI-4 PLUS/SL

Turbo Max is an advanced quality heavy-duty engine oil that provides excellent lubrication in today's diesel and gasoline engines operating in severe conditions. It is formulated using state-of-the-art additives and synthetic base oils to meet current API and OEM requirements for volatility and oxidation resistance. Turbo Max meets API level CI-4 Plus requirements to provide a higher level of protection against soot-related viscosity increase and viscosity loss due to shear in vehicles powered by diesel engines.

**SEMI SYNTHETIC / MINERAL**

**SAE GRADE** 10W-40 15W-40

**ART NO.** 108717 108721

### Performance Levels (Meets & Exceeds):

- API CI-4 Plus /SL
- ACEA E7
- MB 228.3
- MAN M3275
- Volvo VDS-4
- Deutz DQC III-10
- MIL-PRF-2104G
- MACK EO-N Premium Plus
- Cummins CES 20081
- Renault RLD-3
- DDC 93K215
- Allison C4
- Caterpillar ECF 1a, ECF 2, ECF3



## TURBO HT PLUS - API: CJ-4/CI-4+/CI-4

Turbo HT PLUS is a versatile & comprehensive heavy-duty engine oil developed to meet wide range of heavy-duty applications and operating environments found in the trucking, mining, construction, quarrying, and agricultural industries. This product provides outstanding protection in the most demanding diesel engines of Caterpillar, Cummins, Detroit, Mack, Mercedes Benz, Renault, MAN, Navistar, Volvo, and others. It is recommended for Euro V and VI Volvo engines and off-highway engines meeting EU Stage IV and EPA Tier IV, equipped with DPFs needing CJ-4/E9-12/VDS-4/Cat ECF-3 lubricants.

**MINERAL**

**SAE GRADE** 15W-40

**ART NO.** 109721

### Performance Levels (Meets & Exceeds):

- API CJ-4/CI-4+/CI-4
- ACEA E9-16
- MB 228.31
- MAN M3575
- Volvo VDS-4
- Deutz DQC III-10 LA
- JASO DH2
- MACK EO-O Premium Plus
- Cummins CES 20081
- Global DHD-1
- Renault RLD-3
- MTU Type 2.1
- Caterpillar ECF 2, ECF 3
- DDC 93K218

### Gear Box Application:

- API GL-4
- Komatsu clutch (TO-40)
- Caterpillar TO-4M/TO-4
- ZF TE ML 07D
- Allison C4

### Hydraulic System Application:

- ISO VG-68 HM
- Komatsu HO-68
- JCMA HK 68
- Case MS 1230





**HDDEO**

12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### TURBO X-TREM - API CI-4/SL

Turbo X-Trem is a fully synthetic premium quality heavy-duty diesel engine oil that provides long engine life and long drain capability for modern diesel engines operating in severe applications. It is formulated with selected synthetic base oils and additives offering the best performance available for modern diesel engines. The high TBN level neutralizes the harmful effects of sulphur contained in low-quality diesel fuel. It delivers excellent performance in modern low-emission engines, as well as older, well-maintained engines.

**FULLY SYNTHETIC**

SAE GRADE	0W-30	0W-40	5W-30	5W-40
ART NO.	110710	110712	110713	110714

#### Performance Levels (Meets & Exceeds):

- |                     |                    |                              |                             |
|---------------------|--------------------|------------------------------|-----------------------------|
| • API CI-4/SL       | • Volvo VDS-3      | • Cummins CES 20076/20077/78 | • MTU Type 2                |
| • ACEA E7, A3/B3/B4 | • Deutz DQC III-10 | • Global DHD-1               | • Allison C4                |
| • MB 228.3 / 229.1  | • JASO DH1         | • Renault RLD-2              | • Caterpillar ECF 1a, ECF 2 |
| • MAN M3275-1       | • MACK EO-N        |                              | • DDC 93K215                |



### TURBO X-TREM - API CI-4/SL

Turbo X-Trem contains semi synthetic base stock formulated with multiple advanced additives technology. It is designed using high-performance base oils which provide excellent low-temperature fluidity, high-temperature viscosity retention, and volatility control. This product is engineered to provide a strong foundation for oxidation resistance, soot handling, and wear control. It also provides excellent piston deposit protection and reduced sludge formation to help provide long engine life.

**SEMI SYNTHETIC**

SAE GRADE	10W-30	10W-40
ART NO.	110716	110717

#### Performance Levels (Meets & Exceeds):

- |                     |                    |                              |                             |
|---------------------|--------------------|------------------------------|-----------------------------|
| • API CI-4/SL       | • Volvo VDS-3      | • Cummins CES 20076/20077/78 | • MTU Type 2                |
| • ACEA E7, A3/B3/B4 | • Deutz DQC III-10 | • Global DHD-1               | • Allison C4                |
| • MB 228.3 / 229.1  | • JASO DH1         | • Renault RLD-2              | • Caterpillar ECF 1a, ECF 2 |
| • MAN M3275-1       | • MACK EO-N        |                              | • DDC 93K215                |



### TURBO X-TREM - API CI-4/SL

Turbo X-Trem is an advanced quality diesel engine oil that provides excellent lubrication to diesel engines. It provides high performance in the latest US, European, and Japanese heavy-duty diesel engines including severe applications such as high loads and multi-trailer applications. It exhibits outstanding detergent, dispersant, and anti-wear properties to keep the engine clean and to enable efficient control of soot, sludge, and piston deposits.

**MINERAL**

SAE GRADE	15W-40	15W-50	20W-50
ART NO.	110721	110722	110727

#### Performance Levels (Meets & Exceeds):

- |                     |                    |                              |                             |
|---------------------|--------------------|------------------------------|-----------------------------|
| • API CI-4/SL       | • Volvo VDS-3      | • Cummins CES 20076/20077/78 | • MTU Type 2                |
| • ACEA E7, A3/B3/B4 | • Deutz DQC III-10 | • Global DHD-1               | • Allison C4                |
| • MB 228.3 / 229.1  | • JASO DH1         | • Renault RLD-2              | • Caterpillar ECF 1a, ECF 2 |
| • MAN M3275-1       | • MACK EO-N        |                              | • DDC 93K215                |





12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## TURBO X-PLUS - API CH-4/SJ

Turbo X-Plus is a high-performance fully synthetic engine oil blended with premium quality base stock which is enhanced with an advanced multi-functional additive technology having a combination of metallic detergents, dispersants, and multi-purpose inhibitors. This oil assures superior control of oil thickening caused by soot buildup and high-temperature oxidation. It also provides outstanding resistance to varnish deposits and corrosion.

**FULLY SYNTHETIC**

**SAE GRADE** 0W-30 0W-40 5W-30 5W-40

**ART NO.** 111710 111711 111713 111714

### Performance Levels (Meets & Exceeds):

- |               |                     |                  |                     |
|---------------|---------------------|------------------|---------------------|
| • API CH-4/SJ | • ACEA E7, A3/B3/B4 | • MTU Type 2     | • Cummins CES 20076 |
| • MB 228.3    | • VOLVO VDS-2       | • JASO DH1       | • DFS 93K215        |
| • MAN 3275    | • Renault RLD-2     | • Mack EO-M/EO-L | • DQC III-10        |



## TURBO X-PLUS - API CH-4/SJ

Turbo X-Plus is an advanced quality semi synthetic heavy-duty diesel engine oil that helps to protect against the buildup of piston deposits for continuous engine efficiency. It exceeds performance limits in piston rings cylinder liner, and valve train wear tests for long engine life.

**SEMI SYNTHETIC**

**SAE GRADE** 10W-30 10W-40

**ART NO.** 111716 111717

### Performance Levels (Meets & Exceeds):

- |               |                     |                  |                     |
|---------------|---------------------|------------------|---------------------|
| • API CH-4/SJ | • ACEA E7, A3/B3/B4 | • MTU Type 2     | • Cummins CES 20076 |
| • MB 228.3    | • VOLVO VDS-2       | • JASO DH1       | • DFS 93K215        |
| • MAN 3275    | • Renault RLD-2     | • Mack EO-M/EO-L | • DQC III-10        |



## TURBO X-PLUS - API CH-4/SJ

Turbo X-Plus is a high-performance diesel engine oil formulated with highly refined base stocks and advanced technology additives to provide reliable performance in the latest emission designs. This product has been blended with premium quality base stock and fortified with an advanced additive system which assures superior control of oil thickening caused by soot buildup and high-temperature oxidation. It helps achieve reduced oil consumption and wear protection.

**MINERAL**

**SAE GRADE** 15W-40 20W-50 20W-60 SAE-40 SAE-50

**ART NO.** 111721 111727 111728 111703 111704

### Performance Levels (Meets & Exceeds):

- |               |                     |                  |                     |
|---------------|---------------------|------------------|---------------------|
| • API CH-4/SJ | • ACEA E7, A3/B3/B4 | • MTU Type 2     | • Cummins CES 20076 |
| • MB 228.3    | • VOLVO VDS-2       | • JASO DH1       | • DFS 93K215        |
| • MAN 3275    | • Renault RLD-2     | • Mack EO-M/EO-L |                     |





**HDDEO**

12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### TURBO X-CESS - API: CG-4/SJ

Turbo X-CESS is a fully synthetic extra high-performance diesel engine oil designed for the most severe performance requirements of highly powered turbo-charged engines of leading automobile manufacturers. This oil is fuel-saving and reduces maintenance expenses for machines and engines. It resists oil thickening and the formation of carbon, varnish, and sludge deposits. It also helps prolong engine life.

**FULLY SYNTHETIC**

SAE GRADE	0W-30	0W-40	5W-30	5W-40
ART NO.	112710	112711	112713	112714

#### Performance Levels (Meets & Exceeds):

- API CG-4/SJ
- MB 228.3
- ACEA A3/B4
- MAN 3275
- VOLVO VDS
- MTU Type-2
- MACK EO-L
- Allison C4



### TURBO X-CESS - API: CG-4/SJ

Turbo X-CESS is an advanced quality, semi synthetic diesel engine oil blended with premium quality base stocks which are enhanced with an advanced multi-functional additive system. This oil is fuel-saving and reduces maintenance expenses for machines and engines. It resists oil thickening and the formation of carbon, varnish, and sludge deposits. It also helps prolong engine life.

**SEMI SYNTHETIC**

SAE GRADE	10W-30	10W-40
ART NO.	112716	112717

#### Performance Levels (Meets & Exceeds):

- API CG-4/SJ
- MB 228.3
- ACEA A3/B4
- MAN 3275
- VOLVO VDS
- MTU Type-2
- MACK EO-L
- Allison C4



### TURBO X-CESS - API: CG-4/SJ

Turbo X-CESS is a premium quality high-performance, non-friction modified mineral engine oil blended with high-quality base stock and additives. It contains a combination of high-technology additives, including increased dispersant levels and low-shear viscosity modifiers. It protects the engine against corrosion, oil oxidation, and sludge under all operating conditions.

**MINERAL**

SAE GRADE	15W-40	20W-50	20W-60	SAE-40	SAE-50
ART NO.	112721	112727	112728	112703	112704

#### Performance Levels (Meets & Exceeds):

- API CG-4/SJ
- MB 228.3
- ACEA A3/B4
- MAN 3275
- VOLVO VDS
- MTU Type-2
- MACK EO-L
- Allison C4





12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## TURBO BOOST - API: CF-4/SJ

Turbo Boost is a high-performance diesel engine oil specifically formulated with premium base stock and additives to address the needs of high-power engines. It is featuring an active-detergent system to keep pistons and other engine parts clean, thus it provides protection against wear for long engine life and protection against deposits for efficient engine performance. This product is specially designed to meet the requirements of engines produced by all manufacturers in the US, Europe, and Japan.

**SEMI SYNTHETIC**

**SAE GRADE** 10W-30 10W-40  
**ART NO.** 113716 113717

### Performance Levels (Meets & Exceeds):

- API CF-4/SJ
- MB 228.2
- ACEA E2-96, A3/B3
- MTU Type-2
- MAN 3275-1
- VOLVO VDS
- MACK EO/K2
- CES 20075/74/73



## TURBO BOOST - API: CF-4/SJ

Turbo Boost is a high-performance, heavy-duty engine oil formulated by combining high-quality base oils with the best additives to provide superior detergency, wear, and oxidation resistance properties. It is ideal for mixed fleet use, having a variety of different makes of heavy-duty diesel engines and using fuels of a wide range.

**MINERAL**

**SAE GRADE** 15W-40 20W-50 20W-60 SAE-50 SAE-60 SAE-70  
**ART NO.** 113721 113727 113728 113704 113705 113706

### Performance Levels (Meets & Exceeds):

- API CF-4/SJ
- MB 228.2
- ACEA E2-96, A3/B3
- MTU Type-2
- MAN 3275-1
- VOLVO VDS
- MACK EO/K2
- CES 20075/74/73



## TURBO 7000 - API: CF/SF

Turbo 7000 mineral engine oil is formulated for mixed fleet operations. It is blended with high-quality base stocks and selected additives to ensure optimum performance and protection for diesel engines. This product is suitable for diesel and naturally aspirated gasoline engines used in trucks and passenger cars, operating under harsh driving conditions. Turbo 7000 provides exceptional thermal stability at high temperatures.

**MINERAL**

**SAE GRADE** 15W-40 20W-50 20W-60 SAE-50 SAE-60 SAE-70  
**ART NO.** 114721 114727 114728 114704 114705 114706

### Performance Levels (Meets & Exceeds):

- API CF/SF
- ACEA E2-96/A3/B3
- MB 228.2
- MIL-L-2104E
- CAT T0-2
- MAN 270
- MTU TYPE 1
- ALLISON C4





12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## TURBO 5000 - API: CD/SF

Turbo 5000 is a heavy-duty mineral diesel engine oil blended with premium quality base stocks which are enhanced with an advanced multi-functional additive system. It provides good protection against rust and corrosion, and thermal and oxidation stability. It controls sludge buildup and deposits; hence it prolongs equipment life and reduces maintenance costs.

**MINERAL**

SAE GRADE	15W-40	20W-50	20W-60	SAE-40	SAE-50	SAE-60
ART NO.	115721	115727	115728	115703	115704	115705

Performance Levels (Meets & Exceeds):

- API CD/SF
- MIL-L-2104D
- CAT TO-2



## TURBO 3000 - API: CC/SC

Turbo 3000 is a mineral multi-grade diesel engine oil designed using high-quality base oils and additives which are recommended for the lubrication of diesel engines and naturally aspirated gasoline engines used in commercial and passenger vehicles operating under mild driving conditions.

**MINERAL**

SAE GRADE	15W-40	20W-50	20W-60	SAE-40	SAE-50
ART NO.	116721	116727	116728	116703	116704

Performance Levels (Meets & Exceeds):

- API CC/SC
- MIL-L-2104B



12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## TURBO RAILROAD ENGINE OIL - API: CF2/CF (BN 13)

Turbo Railroad Engine Oil is a heavy-duty, medium speed diesel engine crankcase oil. It is a high dispersant oil and will keep the by-products of combustion and oxidation finely divided and suspended. Turbo Railroad Engine Oil helps maintain a clean right belt area, valve deck, crankcase, and piston undercrows.

**MINERAL**

**SAE GRADE** 20W-40 SAE-40

**ART NO.** 117726 117703

### Performance Levels (Meets & Exceeds):

- API Service Category CF-2 (BN 13)
- Electromotive Division of General Motors
- General Electric Generation 4 Long Life Oils
- Locomotive Maintenance Officer Assoc. LMOA (Generation 5)



## TURBO RAILROAD ENGINE OIL - API: CF2/CF (BN 17)

Turbo Railroad Engine Oil is a heavy-duty, medium speed diesel engine crankcase oil. It is a high dispersant oil and will keep the by-products of combustion and oxidation finely divided and suspended. Turbo Railroad Engine Oil helps maintain a clean right belt area, valve deck, crankcase, and piston under crowns.

**MINERAL**

**SAE GRADE** 20W-40 SAE-40

**ART NO.** 118726 118703

### Performance Levels (Meets & Exceeds):

- API Service Category CF (BN 17)
- Electromotive Division of General Motors
- General Electric Generation 4 Long Life Oils
- Locomotive Maintenance Officer Assoc. LMOA (Generation 5)





## AGRICULTURE

12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### AGROL UTTO - UNIVERSAL TRACTOR TRANSMISSION OIL

Agrol Utto is a premium quality multi-purpose tractor lubricant designed to meet or exceed transmission and hydraulic fluid requirements. It is particularly well suited for reducing wet brake and Power Take-Off (PTO) chatter. It helps protect against wear and corrosion of tractor components and has excellent anti-friction properties. Agrol Utto optimises the performance of agricultural and commercial tractors operating in a wide range of environments and conditions.

**SEMI SYNTHETIC**

**SAE GRADE 10W-30**

**ART NO. 119716**

#### Performance Levels (Meets & Exceeds):

- API GL-4
- ALLISON C4
- Case MS 1204,6,7,9
- Caterpillar TO-2
- Ford M2C-48B/C
- Ford M2C-159A
- Ford M2C-86B/C
- Ford M2C-134 A/B/C/D
- ZF TE-ML-03E, 05F, 06K
- Massey Ferguson M1135, M1141, M1143, M 1145
- John Deere J20 A/B/C, J14 B/C
- Ford / NewHolland FNHA-2-C-201.00
- New Holland NH 410B



### AGROL STOU - SUPER TRACTOR OIL UNIVERSAL

Agrol STOU is a high-performance, multi-functional oil specially engineered for use in agricultural equipment, engines, transmissions, and differentials with wet brake systems and integrated hydraulic systems. The base oils and additive system are carefully chosen form a thermal and oxidation stable oil film, so they keep the engine, gearbox, differential, and hydraulic system clean and in good condition.

**SEMI SYN / MIN**

**SAE GRADE 10W-30 20W-40**

**ART NO. 120716 120726**

#### Performance Levels (Meets & Exceeds):

- API: CG-4 / GL-4
- ZF TE-ML 06A, B, C, R, 07B
- FORD M2C 159B, C
- FORD NH 82009201, 2, 3
- FORD M2C 86B, C, 134D
- ALLISON C4
- MASSEY FERGUSON M1145, M1139, M1144
- JOHN DEERE JDM J27, J20C, J20D
- Suitable for Wet Bakes



PCMO







### SWIFT OKO POWER - API: SP / ILSAC GF-6A

Swift OKO Power is an advanced quality passenger car motor oil developed for the most modern high-output, turbo-charged gasoline engines in passenger cars, sport utility vehicles, vans, and light-duty trucks. This oil is designed to provide the highest levels of engine protection available. Swift OKO Power contains ultra-pure base oils and a technologically advanced additive system that provide improved oxidation resistance, improved deposit protection, better wear protection, excellent low-temperature performance, and enhanced fuel economy.

**FULLY SYNTHETIC**

**SAE GRADE** 0W-16 0W-20 5W-20 5W-30 5W-40

**ART NO.** 201746 201709 201712 201713 201714

**Performance Levels (Meets & Exceeds):**

- API SP (RC) / SN PLUS (RC)
- ILSAC GF-6B GF-6A
- GM DEXOS1 GEN2
- CHRYSLER MS6395
- FORD - 947-B1 962-A



### SWIFT OKO POWER - API: SP / ILSAC GF-6A

Swift OKO Power is an advanced passenger car motor oil specially developed for the most modern high-output, turbo-charged gasoline engines in passenger cars, sport utility vehicles, vans and light-duty trucks. This oil is engineered to provide the highest levels of engine protection available. Swift OKO Power contains ultra pure base oils and a technologically advanced additive system which provide improved oxidation resistance, improved deposit protection, better wear protection, excellent low temperature performance and enhanced fuel economy.

**SEMI SYNTHETIC**

**SAE GRADE** 10W-30 10W-40

**ART NO.** 201716 201717

**Performance Levels (Meets & Exceeds):**

- API SP (RC) / SN PLUS (RC)
- ILSAC GF-6A
- GM DEXOS1 GEN2
- CHRYSLER MS6395
- FORD - 947-B1 962-A



### SWIFT OKO POWER - API: SP / ILSAC GF-6A

Swift OKO Power is an advanced passenger car motor oil specially developed for the most modern high-output, turbo-charged gasoline engines in passenger cars, sport utility vehicles, vans and light-duty trucks. This oil is engineered to provide the highest levels of engine protection available. Swift OKO Power contains ultra pure base oils and a technologically advanced additive system which provide improved oxidation resistance, improved deposit protection, better wear protection, excellent low temperature performance and enhanced fuel economy.

**MINERAL**

**SAE GRADE** 15W-40 20W-50

**ART NO.** 201721 201727

**Performance Levels (Meets & Exceeds):**

- API SP (RC)





## SWIFT VS16 - API: SN/CF

Swift VS16 is a premium quality high-performance fully synthetic engine oil designed to help deliver outstanding engine protection in recent cars fitted with gasoline and diesel engines, naturally aspirated or turbo-charged, indirect or direct injection. It meets the requirements of the latest industry standards for "Full SAPS" passenger car lubricants and outperforms conventional oils. This oil is designed to provide improved oxidation resistance, improved deposit protection, better wear protection, and excellent low-temperature performance over the life of the oil.

**FULLY SYNTHETIC**

SAE GRADE	0W-20	0W-30	0W-40	5W-20	5W-30	5W-40
ART NO.	202709	202710	202711	202712	202713	202714

### Performance Levels (Meets & Exceeds):

- API SN/CF
- ACEA A3/B4
- ACEA A1/B1
- Porsche A40
- MB 226.5/229.3/229.5
- Renault RN0700/RN0710
- VW 501 01 / 502 00 / 505 00
- OPEL GM-LL-B-025
- PSA B71 2296 (5W-40)
- Ford WSS-M2C937-A
- Ford WSS-M2C937-A(0W-40)
- Land Rover STJLR 03.5004 (5W-20)



## SWIFT VS16 - API: SN/CF

Swift VS16 is a high-performance oil that is formulated from quality base stocks combined with modern performance additives to give your engine the protection and the performance you expect under a wide variety of operating conditions. It is recommended for all high-performance gasoline engine cars equipped with direct-injection, multi-valve & turbo-charger technologies.

**SEMI SYNTHETIC**

SAE GRADE	10W-30	10W-40
ART NO.	202716	202717

### Performance Levels (Meets & Exceeds):

- API SN/CF
- ACEA A3/B3/B4
- MB 229.5/229.3/226.5
- Renault RN0700/RN0710



## SWIFT VS16 - API: SN/CF

Swift VS16 mineral oil is formulated from quality base stocks combined with modern performance additives to give your engine the protection and the performance you expect under a wide variety of operating conditions. It is recommended for all high-performance gasoline engine cars equipped with direct-injection, multi-valve & turbo-charger technologies.

**MINERAL**

SAE GRADE	15W-40	20W-50
ART NO.	202721	202727

### Performance Levels (Meets & Exceeds):

- API SN/CF
- ACEA A3/B3/B4
- MB 229.1
- VW 505 00





### SWIFT FE - API: SN/SL/CF

Swift FE is a premium quality, fully synthetic, fuel-economy engine oil that provides long engine life for many types & ages of vehicles with enhanced protection over a wide temperature range.

**FULLY SYNTHETIC**

SAE GRADE	0W-30	5W-20	5W-30
ART NO.	203710	203712	203713

#### Performance Levels (Meets & Exceeds):

- |   |  |   |
|---|--|---|
| <ul style="list-style-type: none"> <li>• API SN/CF (5W-20)</li> <li>• FORD WSS-M2C925-B (5W-20)</li> <li>• JAGUAR LAND ROVER STJLR.03.5003 (5W-30)</li> </ul> | <ul style="list-style-type: none"> <li>• VOLVO VCC 95200377 (0W-30)</li> <li>• API SN*/SL/CF (0W-30, 5W-30)</li> <li>• FORD WSS-M2C913-D (5W-30)</li> <li>• MB 229.6 (0W-30, 5W-30)</li> </ul> | <ul style="list-style-type: none"> <li>• ACEA A5/B5-16 (5W-20, 0W-30, 5W-30)</li> <li>• JAGUAR LAND ROVER STJLR.03.5004 (5W-20)</li> <li>• RENAULT RN0700 (0W-30, 5W-30)</li> </ul> |
|---|--|---|



### SWIFT MS - ACEA C3-ACEA C5

Swift MS is a high-performance, advanced, fully synthetic engine oil engineered to help deliver outstanding engine protection. This oil fulfills the requirements of "Mid SAPS" passenger car lubricants with 0.08% phosphorus and 0.8% sulphated ash levels. Swift MS is designed to provide improved oxidation resistance, improved deposit protection, better wear protection, enhanced fuel economy, and excellent low-temperature performance over the life of the oil.

**FULLY SYNTHETIC**

SAE GRADE	0W-20	0W-30	0W-40	5W-20	5W-30	5W-40
ART NO.	204709	204710	204711	204712	204713	204714

#### Performance Levels (Meets & Exceeds):

- |   |   |   |   |
|---|---|---|---|
| <ul style="list-style-type: none"> <li>• API SN/CF</li> <li>• ACEA C3, C5</li> <li>• Porsche A40</li> </ul> | <ul style="list-style-type: none"> <li>• MB 229.31/229.51/229.52</li> <li>• Renault RN0700/RN0710</li> <li>• BMW Longlife-04</li> </ul> | <ul style="list-style-type: none"> <li>• VW 502 00 / 505 01</li> <li>• Ford WSS-M2C917-A</li> <li>• GM Dexos 2</li> </ul> | <ul style="list-style-type: none"> <li>• Ford WSS-M2C948-A/948-B (SAE 5W-20)</li> <li>• Volvo VCC RBS0-2AE (SAE 0W-20)</li> </ul> |
|---|---|---|---|



### SWIFT C1 - ACEA C1

Swift C1 is the new generation, "Low-SAPS", fully synthetic engine oil designed to meet the needs of latest engine technologies of gasoline and diesel engines fitted with after-treatment systems. It offers excellent performances at both low and high operating temperatures and long term engine protection. Swift C1 utilises "Low-SAPS" technology which helps prolong the life and maintain the efficiency of after-treatment systems in both diesel and gasoline powered automobiles.

**FULLY SYNTHETIC**

SAE GRADE	5W-30
ART NO.	205713

#### Performance Levels (Meets & Exceeds):

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• ACEA-16 C1</li> <li>• JAGUAR LAND ROVER STJLR.03.5005</li> </ul> | <ul style="list-style-type: none"> <li>• FORD WSS-M2C934-B</li> <li>• JASO DL-1</li> </ul> |
|---|--|





### SWIFT C2 - ACEA-C2

Swift C2 is a premium quality, fully synthetic fuel economy engine oil blended for use in modern engines requiring low friction, low HTHS viscosity, and "Mid-SAPS" oil. The high-quality base stocks in combination with our most up-to-date additive technology ensure excellent aging stability, optimum wear protection, fuel savings, and outstanding cold-start properties over the entire oil change interval. Swift C2 meets the requirements of Euro VI emission regulations.

**FULLY SYNTHETIC**

**SAE GRADE** 0W-30 5W-30  
**ART NO.** 206710 206713

#### Performance Levels (Meets & Exceeds):

- API SN/CF (0W-30, 5W-30)
- API ACEA-C2
- JAGUAR LAND ROVER STJLR.03.5007 (0W-30)
- PSA B71 2290-2017 (5W-30)
- CHRYSLER MS-13340/ MS-90047 (0W-30)
- RENAULT RN0700 (0W-30, 5W-30)
- FORD WSS M2C 950A (0W-30)
- FIAT 9.555 35-GS1/DS1 (0W-30, 5W-30)



### SWIFT C3 - ACEA C3/VW 504 00/507 00

Swift C3 is a high-performance, advanced, fully synthetic new generation oil especially blended to meet demanding OEM specifications, including Volkswagen and Audi lubrication requirements. It is engineered to be used in gasoline and diesel engines of passenger cars and light vans equipped with Diesel Particulate Filter (DPF) and Three-Way Catalytic converter (TWC) systems.

**FULLY SYNTHETIC**

**SAE GRADE** 0W-30 5W-30  
**ART NO.** 207710 207713

#### Performance Levels (Meets & Exceeds):

- API SN
- ACEA 2016 C3
- MB 229.51
- VW 504 00/ 507 00
- VW TL 52545
- BMW LL-04
- PORSCHE C30



### SWIFT C5 - ACEA C5/VW 508 00/509 00

Swift C5 is a premium quality, fully synthetic, "Mid-SAPS" engine oil suitable for the latest engine technology. It ensures outstanding wear protection, strong durability, and exceptional fuel economy performance in the latest diesel and petrol engines fitted with Diesel Particulate Filters (DPF), Gasoline Particulate Filters (GPF), and Catalytic Converters. Swift C5 is compliant with Euro VI emission standards.

**FULLY SYNTHETIC**

**SAE GRADE** 0W-20  
**ART NO.** 208709

#### Performance Levels (Meets & Exceeds):

- API SN Plus
- ACEA C5
- VW 508 00 / 509 00
- VW TL52577
- Porsche C20





### SWIFT SPECIFIC B71 2312 - ACEA-C2

Swift Specific B71 2312 is a high performance, reduced SAPS formula specially designed for recent vehicles of PSA group (Peugeot and Citroën), equipped with diesel engines "BlueHDI" SCR (Selective Catalytic Reduction), requiring lubricant meeting B71 2312 specification. It also meets the requirements of EURO 4, EURO 5 and EURO 6 pollution control standards and maintains the efficiency of the car exhaust Emission Reduction Systems in both diesel and gasoline powered automobiles. Fully synthetic base provides excellent thermal stability and wear protection and prevents the formation of varnish and sludge to preserve the engine cleanliness.

**FULLY SYNTHETIC**

**SAE GRADE** 0W-30

**ART NO.** 209710

Performance Levels (Meets & Exceeds):

- ACEA-16 C2
- PSA B71 2312



### SWIFT SPECIFIC RN17 - ACEA-C3

Swift Specific RN17 is a high performance engine oil developed to meet RN17, the latest specification for Renault vehicles (Renault, Dacia, Samsung) fitted with TGDI and EURO VI engines. The 100% synthetic base stock provides a high thermal stability and low volatility which ensures an exceptional resistance to varnish and sludge formation and maintains engine cleanliness. Outstanding oxidation resistance of the lubricant results in extended oil drain intervals set by the carmaker. Swift Specific RN17 meets high quality standards, facilitating optimum engine performance and extended component life by virtue of fast and effective lubrication across a wide temperature.

**FULLY SYNTHETIC**

**SAE GRADE** 5W-30

**ART NO.** 210713

Performance Levels (Meets & Exceeds):

- ACEA-16 C3
- RENAULT RN17
- MB 226.52



### SWIFT SPECIFIC RN17 FE - ACEA-C5

Swift Specific RN17 FE is a high-tech, low friction engine oil specifically designed for Renault vehicles (Renault, Dacia, Samsung) fitted with gasoline and diesel engines, requiring a Renault RN17 FE specification lubricant. The "Mid-SAPS" technology, in combination with unique low-friction properties, reduces fuel consumption and thus minimises pollutant emissions. The reduced levels of sulfated ash, phosphorous and sulfur of Swift Specific RN17 FE, protects and extends lifetime of modern after-treatment systems such as DPF (Diesel Particulate Filter), SCR (Selective Catalyst Reduction) and GPF (Gasoline Particulate Filter).

**FULLY SYNTHETIC**

**SAE GRADE** 0W-20

**ART NO.** 211709

Performance Levels (Meets & Exceeds):

- API SN
- ACEA-16 C5
- RENAULT RN17 FE



12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### SWIFT EC - ACEA-C2/C3

Swift EC is an advanced, fully synthetic lubricant for engines equipped with the latest Diesel Particulate Filters (DPF's) and Gasoline Catalytic Converters (CAT's). It has been expertly designed to help deliver superior cleaning power, wear protection, and outstanding performance in conjunction with fuel economy benefits. Swift EC provides improved oxidation resistance, deposit protection, and excellent low-temperature performance.

**FULLY SYNTHETIC**

**SAE GRADE** 5W-30 5W-40  
**ART NO.** 212713 212714

#### Performance Levels (Meets & Exceeds):

- API SN Plus
- ACEA C2/C3 (5W-30)
- MB 229.31
- ACEA C3 (5W-40)



### SWIFT EC PLUS - ACEA-C2/C3/C5

SWIFT EC PLUS is a fully synthetic Mid-SAPS passenger car motor oil (PCMO) formulated to meet API and ACEA standards. It is engineered to deliver superior protection against low-speed pre-ignition (LSPI), reduce timing chain wear, minimize high-temperature deposits on pistons and turbochargers, and ensure advanced sludge and varnish control.

**FULLY SYNTHETIC**

**SAE GRADE** 0W-20 0W-30 0W-40 5W-20 5W-30 5W-40  
**ART NO.** 227709 227710 227711 227712 227713 227714

#### Performance Levels (Meets & Exceeds):

- API SP
- MB 229.31 (0W-30, 0W-40, 5W-30, 5W-40)
- ACEA C2/C3 (0W-30, 5W-30)
- ACEA C3 (0W-40, 5W-40)
- ACEA C5 (0W-20, 5W-20)



### SWIFT LS - ACEA C4 / RN 0720

Swift LS is a premium quality, "Low SAPS", synthetic engine oil that complies with the demanding requirements of Euro IV and Euro V exhaust emission legislations. It is designed to offer reliable long-life engine protection and performance in gasoline and diesel passenger cars and diesel light vans with Three Way Catalysts (TWC) or Diesel Particulate Filters (DPF).

**FULLY SYNTHETIC**

**SAE GRADE** 5W-30  
**ART NO.** 213713

#### Performance Levels (Meets & Exceeds):

- ACEA C4
- Renault RN 0720
- MB 226.51/229.51





### SWIFT GT1 - API: SN

Venom Swift GT1 is a high-performance, advanced, fully synthetic engine oil designed to provide outstanding performance for high-powered engines. It provides significant oil film resistance, outstanding engine cleanliness, wear protection, and strong durability. It has been specially designed for last generation cars powered by gasoline or diesel engines, naturally aspirated or turbo-charged, direct or indirect injection, requiring an ACEA C3 engine oil. Swift GT1 is compliant with EURO VI emission standards.

**FULLY SYNTHETIC**

**SAE GRADE** 0W-40 5W-40

**ART NO.** 214711 214714

#### Performance Levels (Meets & Exceeds):

- |                              |                                       |   |
|------------------------------|---------------------------------------|---|
| • API SN (0W-40, 5W-40)      | • ACEA-16 C3 (0W-40, 5W-40)           | • MB 229.31, 229.52, 226.5 (0W-40, 5W-40)   |
| • BMW LL-04 (0W-40, 5W-40)   | • RENAULT RN 0700/0710 (0W-40, 5W-40) | • GM DEXOS 2 (0W-40, 5W-40)                 |
| • PORSCHE C40 (0W-40, 5W-40) | • VW 511 00 (0W-40, 5W-40)            | • FIAT 9.55535-S2/9.55535-T2 (0W-40, 5W-40) |



### SWIFT XTL - OPEL OV 040 1547

Swift XTL is a fully synthetic, "Mid SAPS" lubricant for gasoline and diesel engines, including the ones complying with ACEA C2/C3 standards. This oil is formulated to reduce pollutant emissions, such as HC, NOx, CO, and particles, and to protect and ensure the longevity of after-treatment antipollution systems, such as Particulate Filters (GPF, DPF) and Three-Way Catalysts. Synthetic base oils together with the latest additive technology, guarantee an exceptional protection against wear and reduced oil and fuel consumption.

**FULLY SYNTHETIC**

**SAE GRADE** 5W-30 5W-40

**ART NO.** 215713 215714

#### Performance Levels (Meets & Exceeds):

- |  |                                   |
|--|-----------------------------------|
| • API SN Plus/SP (5W-40, 5W-30)        | • MB 229.51/229.52 (5W-40, 5W-30) |
| • BMW LL-04 (5W-40, 5W-30)             | • ACEA 2016 C3/C2 (5W-30)         |
| • RENAULT RN0700/RN0710 (5W-40, 5W-30) | • OPEL OV 040 1547 (5W-40, 5W-30) |
| • ACEA 2016 C3 (5W-40)                 |                                   |



### SWIFT MSP - BMW LL-12 FE/17 FE+

Swift MSP is an advanced, low-friction motor oil blended for highly stressed downsized engines with maximum power output, for extreme fuel-economy characteristics and reduced CO2 emission. It ensures optimum lubrication, outstanding lubricating film stability, and minimum wear and deposits even under extreme loads. Swift MSP is ideally suited for engines with start/stop systems and it guarantees maximum performance with low fuel consumption.

**FULLY SYNTHETIC**

**SAE GRADE** 0W-20 0W-30 5W-30

**ART NO.** 216709 216710 216713

#### Performance Levels (Meets & Exceeds):

- |  |  |                              |
|--|--|------------------------------|
| • API SN PLUS/SP (5W-30, 0W-30, 0W-20) | • ACEA 2016 C2 (5W-30, 0W-30)            | • MB229.61 (5W-30, 0W-30)    |
| • BMW LL-12 FE (0W-30)                 | • BMW LL-17 FE+ (0W-20)                  | • GM DEXOS D (0W-20)         |
| • MB229.71 (0W-20)                     | • OPEL OV 040 1547 (5W-30, 0W-30, 0W-20) | • VOLVO VCC RBS0-2AE (0W-20) |
| • LAND ROVER STJLR.03.5006 (0W-20)     | • ACEA 2016 C5 (0W-20)                   |                              |





### SWIFT GRUN PRO - API: SN PLUS/RC / ILSAC GF-6

Swift Grun Pro is blended with premium quality base stocks and fortified with a proprietary advanced additive system, engineered to provide longest-lasting engine protection. This product controls oil breakdown to maximize wear protection and to prevent harmful sludge during extended oil change intervals. Swift Grun Pro is designed to provide protection against LSPI (low-speed pre-ignition) in TGD engines and to help limit turbo coking and deposits that can lead to turbo-charger temperature increase or bearing failure.

**SYN/SEMI SYN/MIN**

SAE GRADE	0W-16	0W-20	0W-30	0W-40	5W-20	5W-30
ART NO.	217746	217709	217710	217711	217712	217713
	5W-40	10W-30	10W-40	15W-40	20W-50	
	217714	217716	217717	217721	217727	

#### Performance Levels (Meets & Exceeds):

- API SN Plus/RC (0W-16)
- API SN Plus/RC, ILSAC GF-5 (0W-20, 5W-20, 5W-30, 10W-30)
- API SN Plus (0W-16, 5W-40, 10W-40, 15W-40, 20W-50)
- GM DEXOS 1 GEN 2 (0W-20, 5W-20, 5W-30)
- CHRYSLER MS6094M (0W-20, 5W-20, 5W-30, 10W-30)
- FORD 947A (0W-20)
- FORD 945A(5W-20)
- FORD 946A (5W-30)



### SWIFT GF-5 - API: SN/RC / ILSAC GF-5

Swift GF-5 is engineered from high-performance base stocks combined with a modern performance additives system to give the engine the protection and the performance you expect under a wide variety of operating conditions. This oil is recommended for all high-performance gasoline engine cars equipped with direct-injection, multi-valve & turbo-charger technologies.

**SYN/SEMI SYN/MIN**

SAE GRADE	0W-16	0W-20	5W-20	5W-30	5W-40
ART NO.	218746	218709	218712	218713	218714
	10W-30	10W-40	15W-40	20W-50	
	218716	218717	218721	218727	

#### Performance Levels (Meets & Exceeds):

- API SN/RC GF-5 (0W-20, 5W-20, 5W-30, 10W-30)
- API SN (0W-16, 5W-40, 10W-40, 15W-40, 20W-50)
- ILSAC GF-5 (0W-20, 5W-20, 5W-30, 10W-30)
- DEXOS 1 (0W-20, 5W-20, 5W-30)
- FORD WSS-M2C-945A (5W-20)
- FORD WSS-M2C-966A (5W-30)
- FORD WSS-M2C-947A (0W-20)
- CHRYSLER MS 6395 (ILSAC GRADES)



### SWIFT RX - API: SN/CF

Swift RX is a high-performance engine oil fortified with a proven Metallo-organic anti-wear advanced additive system that protects engines under all operating conditions by providing excellent wear control in even the most sophisticated valve train mechanisms, including those with variable valve timing. It has been expertly engineered to help deliver superior cleaning power, wear protection, and outstanding performance. Swift RX helps resist degradation between oil changes, extending the time and mileage interval between oil changes.

**SYN/SEMI SYN/MIN**

SAE GRADE	0W-20	5W-20	5W-30	5W-40
ART NO.	219709	219712	219713	219714
	10W-30	10W-40	15W-40	20W-50
	219716	219717	219721	219727

#### Performance Levels (Meets & Exceeds):

- API SN/CF
- ILSAC GF-5 (0W-20, 5W-20)
- VW 502.00 / 505.00 (5W-30, 5W-40)
- ACEA A3/B4-12
- MB 229.3
- RENAULT RN 700/710





### SWIFT VS13 - API: SM/CF

Swift VS13 is an advanced, fully synthetic engine oil that incorporates anti-wear protection, as well as protection against sludge and deposit formation. This multi-grade oil meets the API quality requirement (SM) for gasoline engine passenger cars, sport utility vehicles, vans, and light trucks. It is designed to provide improved oxidation resistance, improved deposit protection, better wear protection, and better low-temperature performance over the life of the oil.

**FULLY SYNTHETIC**

SAE GRADE	0W-30	0W-40	5W-30	5W-40
ART NO.	220710	220711	220713	220714

#### Performance Levels (Meets & Exceeds):

- API SM/CF
- ACEA A3/B3
- ACEA A1/B1 (HTHS <3.5)
- VW 501 01 / 505 00
- RN 700, RN 710
- MB 229.3



### SWIFT VS13 - API: SM/CF

Swift VS13 is a premium quality, semi synthetic engine oil blended to help deliver outstanding engine protection and enhanced fuel economy. This oil is formulated to provide improved oxidation resistance, improved deposit protection, better wear protection, and excellent low-temperature performance over the life of the oil.

**SEMI SYNTHETIC**

SAE GRADE	10W-30	10W-40
ART NO.	220716	220717

#### Performance Levels (Meets & Exceeds):

- API SM/CF
- ACEA A3/B3
- MB 229.3
- VW 501 01/505 00
- RN 700 / RN 710



### SWIFT VS13 - API: SM/CF

Swift VS13 oil is designed to provide improved oxidation resistance, improved deposit protection, better wear protection, and better low-temperature performance over the life of the oil. This oil is blended from high-quality base stocks combined with a modern performance additives system to give your engine protection and the performance you expect under a wide variety of operating conditions.

**MINERAL**

SAE GRADE	15W-40	20W-50	20W-60
ART NO.	220721	220727	220728

#### Performance Levels (Meets & Exceeds):

- API SM/CF
- ACEA A3/B3
- MB 229.1
- VW 501 01/505 00
- RN 700 / RN 710





### SWIFT VS11 - API: SL/CF

Swift VS11 is a premium quality, fully synthetic engine oil blended from a high-performance additives system that actively helps keep the engine clean. It allows the product to provide higher levels of cleansing and protection. This oil is particularly suitable for turbo-compressed, multi-valve, and direct-injection engines. It meets the most difficult conditions of use (motorway, heavy urban traffic, etc.) during all seasons.

**FULLY SYNTHETIC**

SAE GRADE	0W-30	0W-40	5W-20	5W-30	5W-40
ART NO.	221710	221711	221712	221713	221714

#### Performance Levels (Meets & Exceeds):

- API SL/CF
- ACEA A3/B3
- A5/B5 (5W-20)
- MB 229.3 / 226.5
- RENAULT RN 0700/0710
- VW 501.01/505



### SWIFT VS11 - API: SL/CF

Swift VS11 is an advanced, semi synthetic engine oil blended using the advanced additives system that actively helps keep the engine clean. It allows the product to provide higher levels of cleansing and protection. This oil is particularly suitable for turbo-compressed, multi-valve, and direct-injection engines. It meets the most difficult conditions of use (motorway, heavy urban traffic, etc.) during all seasons.

**SEMI SYNTHETIC**

SAE GRADE	10W-30	10W-40
ART NO.	221716	221717

#### Performance Levels (Meets & Exceeds):

- API SL/CF
- ACEA A3/B3
- MB 229.3
- JASO MA2
- RENAULT RN 0700/0710
- VW 501.01/505



### SWIFT VS11 - API: SL/CF

Swift VS11 is a high-performance mineral oil for gasoline and diesel engines, which is designed to be used in all operating conditions (city traffic, road, and motorways). It is particularly suited to turbo-charged engines and perfectly adapted to vehicles equipped with catalysts and using unleaded fuel.

**MINERAL**

SAE GRADE	15W-40	20W-50	20W-60
ART NO.	221721	221727	221728

#### Performance Levels (Meets & Exceeds):

- API SL/CF
- ACEA A3/B3
- JASO MA2
- RENAULT RN 0700/0710
- VW 501.01/505





### SWIFT VS9 - API: SJ/CF

Swift VS9 is a premium quality, fully synthetic engine oil blended with advanced performance base stocks and the latest additives system which helps deliver outstanding engine protection and prevents the buildup of deposits and sludge in the engines operating in all driving conditions on highways and in the city.

**FULLY SYNTHETIC**

**SAE GRADE** 5W-30 5W-40

**ART NO.** 222713 222714

**Performance Levels (Meets & Exceeds):**

- API SJ/CF
- ACEA A1/B1 (5W-30)
- ACEA A3/B3 (5W-40)
- ILSAC GF-2
- FORD WSS - M2C - 913A/913B



### SWIFT VS9 - API: SJ/CF

Swift VS9 is an advanced, semi synthetic engine oil formulated with highly refined base stocks and premium additive technology which helps deliver outstanding engine protection and prevents the buildup of dirt and sludge in older engines operating in all driving conditions on highways and in the city.

**SEMI SYNTHETIC**

**SAE GRADE** 10W-30 10W-40

**ART NO.** 222716 222717

**Performance Levels (Meets & Exceeds):**

- API SJ/CF



### SWIFT VS9 - API: SJ/CF

Swift VS9 mineral engine oil is a premium quality, multi-grade oil blended with highly refined base stocks and premium additive technology which helps deliver outstanding engine protection and prevents the buildup of dirt and sludge in older engines operating in all driving conditions on highways and in the city.

**MINERAL**

**SAE GRADE** 15W-40 20W-50 20W-60 SAE-40 SAE-50

**ART NO.** 222721 222727 222728 222703 222704

**Performance Levels (Meets & Exceeds):**

- API SJ/CF





### SWIFT VS7 - API: SG/CF

Swift VS7 is an advanced, semi synthetic oil for gasoline and diesel engines having high aging resistance which effectively reduces carbon formation and high-temperature lacquer formation. It provides safe lubrication of the engine components. This oil contains low-ash additives which allow for prolonging the endurance of the catalyst

**SEMI SYNTHETIC**

**SAE GRADE** 10W-30 10W-40  
**ART NO.** 223716 223717

Performance Levels (Meets & Exceeds):

- API SG/CF



### SWIFT VS7 - API: SG/CF

Swift VS7 mineral engine oil is an advanced, multi-grade oil engineered with highly refined base stocks and premium additive technology which helps deliver outstanding engine protection and prevent the buildup of dirt and sludge in older engines operating in all driving conditions on highways and in the city.

**MINERAL**

**SAE GRADE** 15W-40 20W-50 20W-60 SAE-40 SAE-50  
**ART NO.** 223721 223727 223728 223703 223704

Performance Levels (Meets & Exceeds):

- API SG/CF



### SWIFT VS5 - API: SF/CD

Swift VS5 is blended with high quality, mineral base stock and an advanced additive system to be used for passenger cars, light trucks as well as farm equipment, especially where a single type of oil is preferred. This oil contains inhibitors to combat acid formation, oxidation, and foaming.

**MINERAL**

**SAE GRADE** 15W-40 20W-50 20W-60 SAE-40 SAE-50  
**ART NO.** 224721 224727 224728 224703 224704

Performance Levels (Meets & Exceeds):

- API SF/CD
- MIL-L-2104A





### SWIFT SPECIFIC LL-01 FE 0W-30

Swift Specific LL-01 FE is an advanced quality engine oil that is particularly resistant at high temperatures to allow better control of oil consumption and to reduce wear due to its excellent lubricating properties while providing significant fuel economy. It provides excellent oil flow, instant oil pressure, faster engine revs up, and a faster engine.

**MINERAL**

**SAE GRADE** 0W-30

**ART NO.** 226710

Performance Levels (Meets & Exceeds):

- ACEA A5/B5
- BMW LL-01 FE



### SWIFT SPECIFIC PSA B71 2010 - ACEA-C5

Swift Specific PSA B71 2010 is a high-performance reduced SAPS formula specially designed for recent vehicles of PSA group (Peugeot and Citroën) equipped with diesel engines "Blue HDI" SCR (Selective Catalytic Reduction) requiring lubricant meeting B71 2010 specification. It also meets the requirements of EURO 4, EURO 5 and EURO 6 pollution control standards and maintains the efficiency of the car exhaust Emission Reduction Systems in both diesel and gasoline powered automobiles. Fully synthetic base provides excellent thermal stability and wear protection and it prevents the formation of varnish and sludge to preserve the engine cleanliness.

**FULLY SYNTHETIC**

**SAE GRADE** 0W-20

**ART NO.** 226709

Performance Levels (Meets & Exceeds):

- ACEA-C5
- PSA B71 2010



# MCO







12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### RIDER 4T XP - API: SN

Rider 4T XP is a high-performance engine oil blended specifically to meet the demanding needs of motorcycle engines. It is primarily for on-road, high-performance, 4-cycle sport bikes, however, it may be used in other types of on and off-road 4-cycle motorcycles. It is formulated to help offer outstanding protection in 4-cycle, V-Twin type engines, particularly those which are air-cooled and tend to run hotter than other types of engines. Rider 4T XP provides excellent performance in common engine/transmission lubrication systems or where the engine lubrication system is separate from the transmission system.

**SYN / SEMI SYN**

**SAE GRADE** 5W-40 10W-40 10W-50 10W-60 15W-50

**ART NO.** 301714 301717 301773 301718 301722

Performance Levels (Meets & Exceeds):

- API SN
- JASO MA2



### RIDER 4T MAX - API: SM

Rider 4T Max is a high-performance, superior-quality engine oil engineered for 4-stroke motorcycles. The unique synthetic blend of 4T Nano MAX motorcycle formulation enables it to offer advantages beyond conventional motorcycle oils of similar viscosities. It offers excellent flow characteristics at low-temperatures to help reduce engine wear at startup, and provide outstanding resistance to oxidation and volatilization at high-temperatures, both of which degrade the oil. Rider 4T Max protects the engine, clutch, and gears and allows the best functionality of these three critical areas of the motorcycle.

**SYN / SEMI SYN / MIN**

**SAE GRADE** 5W-30 5W-40 10W-30 10W-40

**ART NO.** 302713 302714 302716 302717

Performance Levels (Meets & Exceeds):

- API SM
- JASO MA2



### RIDER 4T CLASSIC - API: SF

Rider 4T Classic is a premium quality, multi-grade motor oil for 4-stroke engines of motorcycles, scooters, and mopeds. It is blended by using high-quality base oils and the balanced additive system of quality additive manufacturers. Rider 4T Classic has improved detergency, anti-wear, and anti-foam properties and offers high resistance to oxidation and corrosion.

**SEMI SYN/MINERAL**

**SAE GRADE** 10W-30 10W-40 10W-50 15W-50 20W-40 20W-50

**ART NO.** 303716 303717 303773 303722 303726 303727

Performance Levels (Meets & Exceeds):

- API SF





12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### RIDER 9000 PLUS - API: SJ

Rider 9000 Plus is an advanced, high-quality engine oil blended for 4-stroke motorcycles. It is based on premium quality base oils and advanced additives to bring out the best in your machine. This product is designed to ensure maximum power and performance, even under the most demanding riding conditions. Its anti-friction formulation is proven to increase acceleration compared to conventional motorcycle oils. Rider 9000 Plus protects the engine, clutch, and gears and allows the best functionality of these three critical areas of the motorcycle.

**SYN / SEMI SYN / MIN**

**SAE GRADE**

**5W-40 5W-40 10W-30 10W-40 10W-60 20W-40 20W-50**

**ART NO.**

**304713 304714 304716 304717 304718 304726 304727**

Performance Levels (Meets & Exceeds):

- API SJ
- JASO MA2



### RIDER 9000 - API: SL

Rider 9000 is recommended for high-performance 4-stroke motorcycles that deliver high power efficiency and acceleration. It is excellent in maintaining high engine power and fuel economy with longer drain intervals. This product exceeds the fuel economy and engine cleaning requirements. Rider 9000 also offers excellent engine protection and superior clutch operation in all driving conditions.

**SYN / SEMI SYN / MIN**

**SAE GRADE**

**5W-40 10W-30 10W-40 10W-60 20W-40 20W-50**

**ART NO.**

**305713 305716 305717 305718 305726 305727**

Performance Levels (Meets & Exceeds):

- API SL
- JASO MA2



### RIDER 2T - API: TC

Rider 2T is blended to provide high performance in 2-stroke engines like motorcycles, scooters, and mopeds. Its composition is perfectly compatible with lead-free fuels. This is a high-technology product combining a perfect balance of highly refined base stocks and the latest additives technology. Rider 2T is specially formulated for use in oil injected as well as premixed gasoline/oil-lubricated engines. Its increased performance provides protection against exhaust emissions and engine carbon deposits.

**MINERAL**

**SAE GRADE**

**SAE-20 SAE-30**

**ART NO.**

**306701 306702**

Performance Levels (Meets & Exceeds):

- API TC
- JASO FD
- ISO EGD





12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### RIDER 4T HD - API: SN

Rider 4T HD is a high-performance, fully synthetic motorcycle oil tailored for use in air and water-cooled four-stroke motorbike engines and is especially suitable for Harley Davidsons. Premium quality base oils and high-quality additive components ensure optimum lubrication, outstanding engine cleanliness, and excellent friction in all operating conditions. It is exceptionally well-suited for use with or without a wet clutch.

**FULLY SYNTHETIC**

**SAE GRADE** 20W-50

**ART NO.** 307727

Performance Levels (Meets & Exceeds):

- API SN
- JASO MA2



### RIDER 4T EXTRA - API: SG

Rider 4T Extra is a multi-grade oil for four-stroke engines of motorcycles, scooters, and mopeds. Rider 4T Extra is blended by using high-quality base oils and the balanced additive system of quality additive manufacturers. It has improved detergency, anti-wear, and anti-foam properties and offers high resistance to oxidation and corrosion.

**SYN / SEMI SYN / MIN**

**SAE GRADE** 5W-30 10W-30 10W-40 10W-50

**ART NO.** 308713 308716 308716 308773

15W-40 15W-50 20W-40 20W-50

308721 308722 308726 308727

Performance Levels (Meets & Exceeds):

- API SG
- JASO MA2



### SPO SHOCK ABSORBER OIL

SPO Shock Absorber Oil is formulated using high-performance base oils & combination of additives to provide excellent damping effect for shock absorbers used in motorcycles. This oil has excellent viscosity temperature behavior, oxidation stability & anti-foam properties. It has also a very good seal compatibility.

**MINERAL**

**SAE GRADE** VG-32

**ART NO.** 309804



# CNG ENGINE OIL







12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## AVENO HD - API: CF

Aveno HD is a premium quality, heavy-duty engine oil designed specifically for spark-ignited CNG and LNG-fueled trucks, bus engines, and small to medium size CNG generators. It provides excellent performance in the challenging operating environments presented by CNG (Compressed Natural Gas) and LNG (Liquefied Natural Gas) and offers extended drain interval capability.

**MINERAL**

**SAE GRADE** 15W-40 20W-50

**ART NO.** 326721 326727

### Performance Levels (Meets & Exceeds):

- API CF
- Cummins: CES 20074
- Detroit Diesel: DDC 93K216



## AVENO PRO - API: SM

Aveno Pro is engineered to provide faster and cleaner engine protection to make sure of longer engine life. It is blended for use in gas-fueled engines in passenger cars and light commercial vehicles. It has a special additive system that resists wearing under all operating conditions by forming a protective layer on contact surfaces. The high viscosity index provides additional protection against wear at startup and under high-temperature operating conditions.

**MINERAL**

**SAE GRADE** 20W-40 20W-50

**ART NO.** 327726 327727

### Performance Levels (Meets & Exceeds):

- API SM
- Suitable for use also where API SL, SJ or SG oils are specified



## AVENO LA

Aveno LA is a high-quality, heavy-duty, & selected two-stroke low-ash crankcase oil specifically blended to lubricate a wide range of four-stroke natural gas and dual-fuel engines where low-ash oils are recommended. It is engineered with premium quality base oils and additive technology to provide exceptional oxidation and nitration resistance, extended oil and filter life, and outstanding wear protection.

**MINERAL**

**SAE GRADE** SAE-40 SAE-50

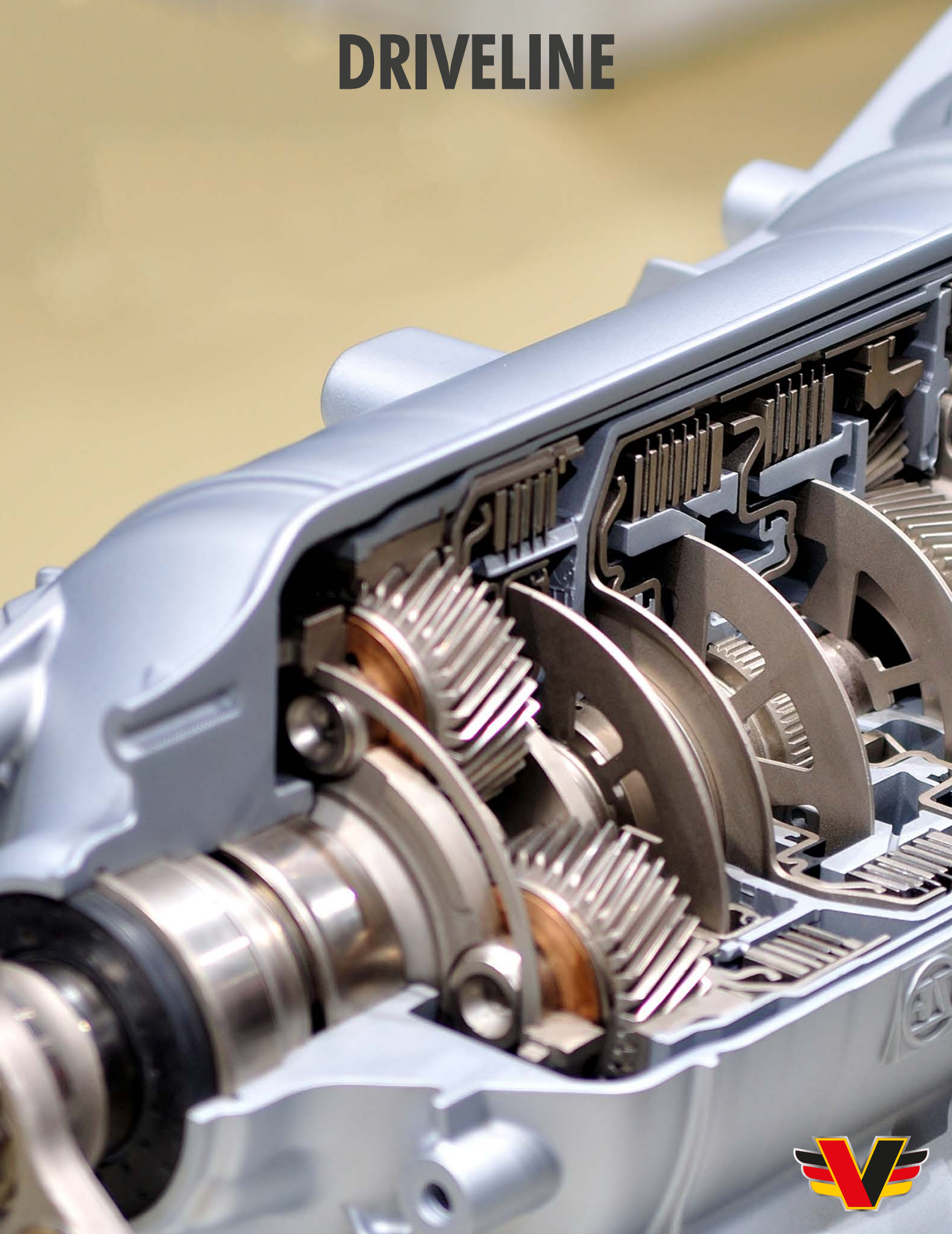
**ART NO.** 328703 328704

### Performance Levels (Meets & Exceeds):

- |                                    |                  |                 |             |
|------------------------------------|------------------|-----------------|-------------|
| • API CF (Diesel Fuel Application) | • MTU            | • Perkins       | • Jenbacher |
| • Caterpillar                      | • GE - Jenbacher | • MDE           | • Cummins   |
| • Wärtsilä                         | • MWM (DEUTZ)    | • MTU           | • Hyundai   |
| • MAN                              | • Waukesha       | • Superior STGV |             |



# DRIVELINE







## DYNATEC 4

Dynatec 4 automatic transmission fluid is engineered for use in most types of Japanese, Korean, and Chrysler vehicles that require ATF+4 or prior specifications. This product offers excellent low temperature and improved anti-shudder properties. Dynatec 4 is recommended for use in all transmissions, hydraulic systems, and power steering units manufactured by American, European, Korean, Japanese, and other manufacturers from around the world specifying Chrysler ATF+4, ATF+3, or ATF+2 type fluids.

**SYNTHETIC**

**SPECS** **ATF+4®**

**ART NO.** **3510**

### Performance Levels (Meets & Exceeds):

- Chrysler ATF+4® Requirements
- Chrysler MS-9602



## DYNADEx 6 - DEXRON VI

Dynadex 6 is a premium quality, fully synthetic transmission fluid recommended for use in passenger cars and light truck automatic transmissions that require a GM Dexron VI or earlier generation fluid. Transmissions include the following Aisin Warner models: AW TF-80SC/SD, AWF21, AF40-6, AM6, AW6A-EI, TF81SC, AF21, GA6F21WA (Mini).

**SYNTHETIC**

**SPECS** **Dexron-VI**

**ART NO.** **3520**

### Performance Levels (Meets & Exceeds):

- ISUZU BESCO ATF II, ATF III
- ZF 5HP 30
- JAGUAR ATF 3403 M115, JLM 20238
- VOLVO T-IV
- AUDI/VW G-052-162-A1/A2
- LT 71141
- ZF 5HP 18FL/19FL/24A
- MAZDA ATF M III
- CHRYSLER M1375.4
- MERCON LV
- MITSUBISHI DIAMOND SP-IV
- PEUGEOT ZF 4 HP20
- PORSCHE ATF 3403-M115
- SUBARU ATF, ATF HP
- TOYOTA TYPE T-III, T-IV
- TOYOTA WS
- VOITH 55.6635 / VOLVO 97340
- ZFF TE-ML 09
- BMW P/N 833227542290
- CITROEN P/N PR 9980
- SAAB P/N 93165147
- AS 68RC (T IV)
- JWS 3309, JWS 3324, T-IV, AW-1, NWS 9638
- MB ZF 4 HP20, 236.1/5/6/7/8/9/236.41
- GENERAL MOTORS DEXRON II/III/IIH/VI
- HONDA ACURA Z-1 PREMIUM, HONDAMATIC S
- TOYOTA P/N 08886-02305/08886-81015
- FIAT (ALL VEHICLES) TYPO T-IV
- HYUNDAI / KIA SP IV, HYUNDAI SPH-IV
- BMW ETL-7045, 7045E, LA2634, ETL-8072B, 81 22 9 400 275





## DYNAMAX ZFL HEAVY DUTY TRANSMISSION OIL FOR ZF LONG DRAIN

Dynamax ZFL is a fully synthetic, high-performance, heavy-duty automatic transmission oil specifically blended for the newest generation of ZF-Eco mat - and ZF- Eco life transmissions. It is the ultimate performance automatic transmission fluid allowing the longest oil drain intervals under all driving conditions.

**SYNTHETIC**

**SPECS** ZF-Ecomat/ZF-Ecolife  
**ART NO.** 3530

### Performance Levels (Meets & Exceeds):

- ZF TE-ML 04D, 14E, 16N, 20F, 25F
- MAN 339 TYPE Z13, MAN 339 TYPE Z4



## DYNADEX 3 - DEXRON IIIIG

Dynadex 3 is a high-performance, fully synthetic, automatic transmission fluid blended with premium, severely hydro-processed base stocks and additives that helps provide oxidation and thermal stability, friction control, load-carrying ability, corrosion, and wear protection. It also helps protect against the formation of deposits, sludge, varnish, and foam and provides outstanding durability.

**SYNTHETIC**

**SPECS** Dexron-III  
**ART NO.** 3540

### Performance Levels (Meets & Exceeds):

- GM DEXRON IIIIG, IIIH
- ZF TE-ML 14A, 03D, 04D, 17C, 09C
- VOITH H55.6335.xx
- VOITH 55.6336.3x
- MAN 339 TYPE V1/Z1/V2/Z2
- MB 236.9/236.1/236.5/236.6/236.10
- ALLISON TES-389
- VOLVO 97340, 97341
- FORD M, FORD TASA
- ALLISON C4



## DYNADEX 2 - DEXRON II

Dynadex 2 is an automatic transmission oil formulated with premium quality base stocks and one of the latest additives technologies. It is used in passenger cars and light commercial vehicles. It helps reduce transmission "chatter" assuring a smooth and quiet operation at all speeds under any working condition. This product provides optimal oxidation and thermal stability, friction control, cleanliness, load-carrying ability, and wear and corrosion protection to ensure the longest life of your transmission.

**MINERAL**

**SPECS** Dexron-II  
**ART NO.** 3550

### Performance Levels (Meets & Exceeds):

- CHRYSLER +3
- TASA
- CAT T0-2
- TOYOTA TII/2
- VOLVO CE 97340/41
- GM DEXRON IID/IIIE
- VOITH H55.6335
- MAN 339 TYPE L1/L2/Z1/V1
- MB 236.1/236.5/236.7236.8
- OPEL 19 40 700 / 19 40 707
- MITSUBISHI SP / SP2/ BTR
- ALLISON TES 389, ALLISON TES 228(C4)
- FORD ESP-M2C138-CJ / ESP-M2C166-H
- ZF TE-ML-03D/05/21L/09/11A/11B/14A/17C
- BMW 81 22 9 400 272/81 22 9 400 275/81 22 9 407 738



## DYNATEC 1 - TYPE A

Dynatec 1 is a multi-purpose transmission fluid, engineered for use in automatic gearboxes, where GM Type A Suffix A is quoted. Its special formula enables the very smooth operation of torque converters and fluid couplings of automatic transmissions.



**MINERAL**

**SPECS TYPE A**

**ART NO. 3560**

Performance Levels (Meets & Exceeds):

- GM Type A Suffix A

## DYNATEC CVT

Dynatec CVT is an advanced, fully synthetic, high performance, multi-vehicle transmission fluid for passenger cars and vans. It is a well-balanced fluid that provides exceptional metal-to-metal frictional properties to help prevent belt and chain slipping and help extend transmission life. It provides superior wet-clutch performance for outstanding anti-shudder durability and reduced noise, vibration, and harshness.



**SYNTHETIC**

**SPECS CVT**

**ART NO. 3570**

Performance Levels (Meets & Exceeds):

- CHRYSLER/DODGE/JEEP NS-2/CVT +4
- Mazda CVTF 3320
- BMW MINI COOPER EZL799/799A/ZF CVT V1
- DAIHATSU TC
- Nissan NS-1, NS-2, NS-3
- Toyota/Lexus TC, FE
- Honda HMMF / HCF-2 / Z1
- AUDI MULTITRONIC
- GM DEX-CVT
- HYUNDAI/KIA CVT-J1 / SP-III
- IDEMITSU CVTS-EX1
- SHELL GREEN 1V
- Ford CVT23, CVT30, WSS-M2C933-A
- DAIHATSU AMMIX DC/DFC/CVTF-DFE
- MB 236.2
- Mitsubishi DiaQueen CVTF-J1/CVTF-J4/SP-III
- Audi/VW TL 52180, G 052 180, G 052 516
- PUNCH CVT
- Suzuki CVTF 3320, TC, NS-2, CVTF Green1, CVTF Green 2
- VAG TL 521 16 (G052 516) / TL 521 80 (G 052 180 A2)
- SUBARU ECVT/iCVT/iCVT FG/NS2/LINEARTRONIC CVT CHAIN/LINEARTRONIC CVT II/HIGH TORQUE LINEARTRONIC





## DYNATEC LHM

Dynatec LHM is a premium quality, multi-purpose, mineral-based brake and clutch fluid & hydraulic system fluid specially designed for use in Citroën XM, XANTIA, BX, CX, SM, GS, hydraulic power units in Citroën ID and DS sold after September 1966 (components painted green), brake circuits and hydraulic clutch control systems in utility vehicles Citroën N, P and C35, and Peugeot 405X4 vehicle level adjuster. This product is designed to protect against pump wear and provides good rates of flow throughout the system even in the most extreme temperatures & pressures.

**MINERAL**

**SPECS** **LHM**  
**ART NO.** **3580**

### Performance Levels (Meets & Exceeds):

- PSA PEUGEOT CITROEN B71 2710
- ISO 7308
- FORD: ESN M6C 59A



## TO-4 HD - CATERPILLAR TO-4

TO-4 HD is engineered for power shift transmissions, final drives, and wet brakes on heavy-duty, off-highway equipment in earthmoving, mining, logging, road transport, and agricultural applications. It is blended from premium quality base oils and proven-performance additives.

**MINERAL**

**SAE GRADE** **10W** **SAE-30** **SAE-50** **SAE-60**  
**ART NO.** **359761** **359702** **359704** **359705**

### Performance Levels (Meets & Exceeds):

- API GL-4
- Caterpillar TO-4
- Allison TES 439
- Komatsu KES 07.868.1
- Allison C-4
- ZF TE-ML-03C



## DYNATEC CHF - CENTRAL HYDRAULIC FLUID

Dynatec CHF is a high-performance, multi-purpose, synthetic hydraulic fluid with ashless additives. It is specially blended for power steering, brake, suspension leveling, and hydraulic suspension systems of modern cars. It can also be used in shock absorbers, hydro-pneumatic suspension, traction, and stability control systems.

**MINERAL**

**SAE GRADE** **10W** **SAE-30** **SAE-50** **SAE-60**  
**ART NO.** **360761** **360702** **360704** **360705**

### Performance Levels (Meets & Exceeds):

- MAN M3289
- MB 345.0
- PENTOSIN CHF 11S
- Chrysler MS-11655
- VOLVO 1161529
- FIAT 9.55550-AG2/9.55550-AG3 VG 22
- BMW 81 22 9 407 758
- GM 89021185/ 89021186/ 1052884/ 993294
- HYUNDAI/KIA PSF-3/PSF-4
- FORD M2C204-A
- VW/SEAT/SKODA/AUDI G 002 000 (TL 521 46), G 004 000





## DYNATEC DCT - DUAL CLUTCH TRANSMISSION

Dynatec DCT is a high-quality, full synthetic transmission fluid engineered for passenger cars and vans with a dual clutch transmission. It is a multi-vehicle, synthetic technology that provides the required levels of component protection and friction control, critical to the operational efficiency and longevity of dual-clutch designs.

**SYNTHETIC**

**SPECS** **DCT**  
**ART NO.** **3610**

### Performance Levels (Meets & Exceeds):

- Audi (VAG) S-tronic, G 009 317, G 052 171, G 052 178, G 052 182, TL 52 182, G 052 512, G 052 527, G 052 529, G 052 726, G 052798, G 055 512, G 055 529, G 060 726, G 070 726
- BMW BMW DCTF-1, P/N 83 220 440 214
- BMW MTF-LT-5, P/N 83 22 2167 666
- BMW DTF 1, P/N 83 22 2 409 710
- BMW MTF-LT-3, P/N 83 22 0 397 244
- DKG, P/N 83 22 0 306 816, P/N 83 22 21 47 477, P/N 83 2221 48 578, P/N 83 22 21 48 579
- Citroën DCS, PSA Part Number 9734 S2, JWS 2271, 9730 A8, P/N 1618078480
- DS DCS, PSA Part Number 9734 S2, JWS 2271, 9730 A8, P/N 1618078480
- Fiat 9.55550-MZ6
- Tutela Transmission Gearforce, 9.55550-DA11, 9.55550-MZ2
- Jaguar Pentosin FFL-3
- Lexus LF
- Toyota LV 75W MT, JWS 2271, 088858100
- Ford Powershift, WSS-M2C-936-A, P/N 1 490761, P/N 1 490 763, WSS-M2C-200-D2, WSS-M2C-200-D3, WSS-M2C-200-E1
- Honda MTF-III
- Mercedes Benz SLS A 001 989 86 03, MB 236.24
- Mitsubishi Diamond Queen SSTF-1
- Nissan GR6, Nissan DCT Fluid, Nissan LV MT-1
- Peugeot PSA Part Number 9734S2, JWS2271, 9730 A8
- Porsche PDK, Part Number 043 207 29, P/N 043 207 30, P/N 000 043 20, P/N 999 917 546 00
- Porsche TF0870, P/N 000.043.305.63, P/N 999.917.080.00
- Renault EDC, DC4, BOT 450
- Suzuki P/N 99000-22B27-036
- Toyota LF, Toyota LV75W MT, JWS 2271, 0888581001
- Volvo BOT 341, P/N 1161838, P/N 1161520-7
- API GL-4
- Castrol BOT 118 Plus, BOT 341, BOT 342A, BOT 350 M1, BOT 350 M3, BOT 450, Transmax Dual
- Pentosin FFL-2, FFL-3
- Petronas TUTELA TRANSMISSION GEARFORCE
- Shell TF 0870



## DYNA PLUS - HIGH-PERFORMANCE ATF WITH REDUCED VISCOSITY FOR BETTER FUEL EFFICIENCY

Dyna Plus is a high-performance, multi-purpose, synthetic hydraulic fluid with ashless additives. It is specially blended for power steering, brake, suspension leveling, and hydraulic suspension systems of modern cars. It can also be used in shock absorbers, hydro-pneumatic suspension, traction, and stability control systems.

**SYNTHETIC**

**ART NO.** **3620**

### Performance Levels (Meets & Exceeds):

- Chrysler 68157995AA
- BMW 83 22 2 152 426/83 22 2 305 397 (BMW L12108) / 83 22 2 289 720 (ATF3+)
- Fiat 9.55550-AV5
- Honda ATF-Type 3.1
- Jaguar 02JDE 26444
- Land Rover LR023288
- VW G 060 162/G 055 540
- ZF S671 090 312



## DYNATEC MULTI

Dynatec Multi is a high-performance, synthetic ATF engineered for use in a wide variety of North American, European, and Asian vehicles. It has a very high viscosity index and offers resistance against corrosion and foam-building. It also has very good anti-oxidation and anti-wear characteristics. Dynatec Multi is blended using the latest generation technology with added special friction modifiers.



**SYNTHETIC**

**ART NO. 3630**

### Performance Levels (Meets & Exceeds):

- Fiat 9.55550-AV1, 9.55550-AV2, 9.55550-AV4
- BMW LT 71141, LA2634, ETL7045E, ETL8072B,
- Ford MERCON, MERCON V, MERCON SP
- Kia ATF SP-III, ATF SP-3, Red-1, # UM040 CH020
- Land Rover M1375.4, # TYK500050, STC 4863
- Lexus ATF WS, ATF Type T-IV, JWS 3324, NWS 9638
- Mazda JWS 3317, ATF M-V, 6-sp AT, ATF F-1
- Mini ASW 3309, # 83 22 0 402 413
- Peugeot Z 000169756, # 9730 AC, #9735-EJ, JWS 3309
- Subaru # K0410Y0700, ATF HP, SKU: SOA868V9241
- Volvo # 97342, # 1161521, # 1161540, # 97340)
- ZF TE-ML 03D / 04D / 09 / 14A / 14B / 16L / 17C
- BMW LT 71141, LA2634, ETL7045E, ETL8072B
- Citroën Z 000169756, # 9730 AC, #9735-EJ, JWS 3309
- Petronas Tutela GI-V, Tutela GI-VI, Tutela Transmission Force4
- Shell M-1375.4, LA 2634, ATF 3353, 3403(-M115)
- Hyundai Red-1, SP II, SP III, ATF 9638, # 040000C90SG
- Isuzu ATF Z1 (except CVTs), H50235, SCS
- Jaguar M1375.4, JLM 20237, JLM 20238, Jaguar Fluid 8432
- ZF Lifeguard 5, # S671 090 170, Lifeguard 6, # S671 090 255
- General Motors GM DEXRON III G, III H, GM DEXRON II D, II E,
- Infiniti ATF FMS, MATIC S, MATIC D, MATIC-J, MATIC K, MATIC W
- Aisin Warner JWS 3309, JWS 2312D, CLIP, FF ATF, AW-F21
- Honda ATF Z1 (except CVTs), # 082000-9001, ATF DW-1 (except CVTs)
- Nissan ATF FMS, MATIC S, MATIC D, MATIC J, MATIC K, MATIC W, ATF D3M
- Chrysler MS 7176, MS 7176D, MS 7176E, MS 9602, ATF+, ATF+2, ATF +3, ATF +4
- Mercedes Benz MB 236.3, MB 236.5, MB 236.7, MB 236.9, MB 236.10, MB 236.11, MB 236.12, A0019892203
- Mitsubishi Diamond (USA) / Dia Queen PSF, ATF-PA, ATF-J2, ATF-J3, SP II, SP III, PSF 3, AYC Fluid
- VW (VAG) G 052 025-A2, G 052 162 A1 / A2 / A6, TL 52 162, G 052 990 A2, G 055 025 A2, G 055 005 A1 / A2 / A6
- Toyota ATF D-III, ATF WS, ATF Type T, Type T-II, Type T-III, Type T-IV, JWS 2312D, JWS 3309, JWS 3324, LF,
- Porsche # 999.917.547.00 (A2), # 043 205 28 Renault DPO, Elfmatic J6, Renaultmatic D2, Renaultmatic D3
- Audi (VAG) Tip-tronic, G 052 025-A2, G 052 162 A1 / A2 / A6, G 052 990 A2, G 055 025 A2, G 055 005 A1 / A2 / A6
- Allison C4, TES-295
- Jalos JASO 1A
- Jatco JF613E
- Voith G607 (H55.6335XX
- Acura ATF Z1 (except CVTs)
- Texaco ETL 7045E, ETL 8072B, N402
- AML # 4G4319A509/AA/S
- Appolloil ATF Red-1K
- Esso ATF LT 71141, JWS 3314
- Fuchs Titan ATF 4400, Titan 3353
- Idemitsu K17, ATF HP
- Mobil ATF 3309, ATF 3317
- Castrol Transmax J, Transmax Z
- Total ATF H50235, Fluide AT 42
- Bentley # PY112995PA
- Daimler ATF +3, ATF +4
- Maserati # 231603
- Rolls Royce PL 31493PA
- Saab JWS 3309, # 93 165 147
- Saturn T-IV, # 22686186
- Suzuki JWS 3314 / 3317 / 2384K





## SPIRAL TRANSMAX – API: GL-5

Spiral Transmax is a multipurpose axle oil that may be used in differentials, final drives, and other applications in passenger cars and commercial vehicles where API GL-5 performance is required. It is a superior sulfur-phosphorus, extreme pressure gear lubricant formulated with high-performance base stocks, friction modifiers, and corrosion inhibitors, meeting the requirements of API GL-5 as well as many other manufacturer specifications. This oil is formulated to produce a superior gear lubricant with extreme pressure characteristics and thermal stability for automotive applications over a wide range of temperatures and heavy-duty conditions.

### SYN/MINERAL

### SAE GRADE

75W-90 80W-90 80W-140 85W-90 85W-140 SAE 90 SAE 140

### ART NO.

401738 401741 401742 401744 401745 401707 401708

### Performance Levels (Meets & Exceeds):

- API GL-5
- MIL MIL-L-2105D
- MAN 342 M2
- ZF 12E/16B 16D 16C/17B 19B/21A



## SPIRAL MAX - API: GL-4

Spiral Max is a premium quality gear oil formulated using the latest technology for gearbox applications. It is blended from solvent-refined mineral base oils and selected sulphur and phosphorous chemical additives. Due to its high shear stability, it provides excellent protection for gears and can be used over a wide range of temperatures.

### SYN/MINERAL

### SAE GRADE

75W-90 80W-90 80W-140 85W-90 85W-140 SAE 90 SAE 140

### ART NO.

402738 402741 402742 402744 402745 402707 402708

### Performance Levels (Meets & Exceeds):

- API GL-4
- MIL MIL-L-2105B



## SPIRAL SYN-MT - API: MT-1

Spiral SYN-MT is a heavy-duty, manual transmission fluid specially formulated for extended drain and severe service operations. It is designed for year-round lubrication of manual transmissions and provides outstanding high-temperature performance, oxidation stability, wear protection and corrosion control.

### MANUAL TRANSMISSION FLUID

### SAE GRADE

SAE 40 SAE 60

403703 403705

### Performance Levels (Meets & Exceeds):

- API MT-1
- EATON PS-386 PS-164 Rev 7
- MACK TO-A Plus
- Navistar MPAPS B6816- Type2- MPAPS B6816- Type1-





## SPIRAL TRANSMAX AXL - API: GL-5

Spiral Transmax AXL is a fuel-economy passenger car axle oil. This product is a hypoid gear oil suitable for use in Mercedes Benz passenger cars' axles and other applications specified by 235.7. Spiral Transmax AXL is produced using modern additive technology with multiple application profiles blended into base oil matrix with synthetic components.

**AXLE/ HYPOID GEAR OIL**

**SAE GRADE** **75W-85 75W-90**  
**404747 404738**

### Performance Levels (Meets & Exceeds):

- API GL-5
- MB 239.72/239.71/235.74/235.7
- MIL MIL-L-2105D
- ZF TE-ML 18
- VW TL-45 521X (G 145 052 A1) 45 521X (G145 052 AZ) TL 90 521 (G190 052 A2/G 190 055 A2)



## SPIRAL TRANSMAX HD - API: GL-5/ MT-1

Spiral Transmax HD is an advanced quality, commercial gear lubricant blended from premium quality base stocks and an advanced additive system. This product provides excellent chemical and thermal stability at elevated bulk oil temperatures and good performance at low temperatures. It complies with current manufacturers' regulations that demand oils with long drainage periods, enabling double or triple the interval between oil changes in comparison with conventional mineral oils.

**TRANSMISSION AND GEAR BOX LUBRICANTS**

**SAE GRADE** **75W-90 80W-90 85W-140**  
**405738 405741 405745**

### Performance Levels (Meets & Exceeds):

- API GL-5/ MT-1
- MIL MIL-PRF-2105E, L-2105D
- SCANIA STO 1:0 2:0A
- SAE J2360
- MACK GO-J
- MB 235.0/235.2/235.6 / 235.8
- ZF TE-L 05A/07A/08/12L/12M/16B /17B/19B/21A
- ARVIN MERITOR 076-D / 076-A / 076-N
- 342 M3/ 341 GA1 / 341 Z2 / 342 S1
- VOLVO 97310
- VOLVO 97312(75W-90)



## SPIRAL TRANSMAX HD PLUS - API: GL-5

Spiral Transmax HD Plus is an advanced-performance, drivetrain lubricant designed to meet the most demanding extended drain requirements. This product is engineered for use in heavy-duty drivetrains that require gear lubricants with excellent load-carrying capability and where extreme pressures and shock loading are expected. Synthetic base stock and advanced additives in Spiral Transmax HD Plus deliver unsurpassed performance for low and high-temperature applications, protection against thermal degradation and oxidation, reduced wear and corrosion, improved shear stability, and extended service capability.

**HIGH PERFORMANCE HEAVY DUTY**

**SAE GRADE** **75W-90 80W-90 80W-140**  
**406738 406741 4067742**

### Performance Levels (Meets & Exceeds):

- API GL-5/ MT-1
- SAE J2360
- MACK GO-J PLUS
- MIL-PRF 2105E
- MB 235.8
- EATON PS-163





## SPIRAL FE - API: GL-5 (LIMITED SLIP)

Spiral FE is a fluid developed specifically to meet ZF extended drain intervals requirements (540.000 km) and is recommended for use in all ZF commercial manual and automated gearboxes, whether synchronized or non-synchronized, running under the most severe conditions of load, speed and temperature. It can be recommended in other manual transmissions requiring API GL-5 and is particularly suitable for severe applications where loads and temperatures are higher.

**LONG LIFE TRANSMISSION OIL**

SAE GRADE **75W-80**  
**40737**

### Performance Levels (Meets & Exceeds):

- API GL-5
- VOITH CLASS C
- VOLVO 97307 /97305
- MAN 341 E3/Z3/Z4/Z5
- MB 235.28
- ZF TE-ML 01E/02E/16P/01L/02D/02L/16K/08



## SPIRAL MAX 2330 - API: GL-4

Spiral Max 2330 is a high quality transmission oil, suitable for nearly all manual gear boxes of passenger cars. It is specially recommended for PSA manual gear boxes with extended drain interval and friction modifier additive adapted to PSA manual gear boxes.

**MANUAL TRANSMISSION OIL**

SAE GRADE **75W-80**  
**40837**

### Performance Levels (Meets & Exceeds):

- API GL-4
- PSA B2330 71
- PSA 9730 A8
- MB 235.10
- FORD WSD-M2C-200D
- FORD ESD-M2C-186A
- GM 1940182
- GM 1940768
- HONDA MTF 94
- VOLVO 97310/97309/97308
- NISSAN MT-XZ



## SPIRAL - API: GL-1

Spiral GL-1 is a rust and oxidation-inhibited oil that is recommended for many automotive and industrial equipment where the equipment manufacturer recommends the use of straight mineral oil with SAE viscosity grades 90 or 140. This product is also suitable for the lubrication of many types of equipment where copper or bronze is present and susceptible to attack by oils containing sulfur-phosphorus compounds.

**MINERAL GRADE**

SAE GRADE **SAE-90 SAE-140**  
**409707 409708**

### Performance Levels (Meets & Exceeds):

- API: GL-1





## SPIRAL V-PLUS - API: GL-4

Spiral V-Plus is a premium performance, fully synthetic transmission fluid with extended drain interval. It is designed for heavy-duty synchronized manual truck transmissions.

**FULLY SYNTHETIC**

**SAE GRADE** 75W-85 75W-90  
410747 410738

### Performance Levels (Meets & Exceeds):

- VOITH Class C
- VOLVO 97307/97318
- MB 235.4/ 235.41/235.11
- MAN 341 TYPE E4/Z4
- ZF TE-ML 02L
- API GL-4



## SPIRAL SYNTH EP

Spiral Synth EP 75W-90 is a fully synthetic lubricant used for drive axles on General Motors vehicles where oil to GM specifications 9986115 is required.

**FULLY SYNTHETIC**

**SAE GRADE** 75W-90  
411738

### Performance Levels (Meets & Exceeds):

- GM 9986115



## SPIRAL LSD - API: GL-5

Spiral LSD is a premium quality, automotive gear oil engineered for use in modern high-performance passenger cars, sports utility vehicles, vans, and light-duty trucks with limited slip differentials. It is manufactured with high-quality solvent-refined base stocks, EP additives, and friction modifiers to provide exceptional protection against thermal degradation, component wear, and oil seal deterioration for extended service life. The special friction modifier used in this oil helps eliminate chatter and improves traction besides retaining the frictional properties for longer service life. It also offers effective protection against oxidation degradation, rust and corrosion.

**SYN/MINERAL**

**SAE GRADE** 75W-90 75W-140 80W-90 85W-90 85W-140 SAE 90  
**ART NO.** 412738 412739 412741 412744 412745 412707

### Performance Levels (Meets & Exceeds):

- API GL-5/ MT-1
- MIL PRF-2105E (85W-140) (75W-90) (85W-90)
- MILPRF-2105D PRF-2105D (90) (80W-90)
- MIL-L-2105B (75W-140)
- ZF 02B/12B/21B/05B/16F/05D(LS)/17B/07A/19C
- FORD M2C119-A (80W-90)





## SPIRAL HYPOID G2 - API: GL-5

Spiral Hypoid G2 is an advanced, fully synthetic axle oil made from premium quality base oils and a high-performance additives system that ensures exact friction behavior and provides outstanding aging resistance. It is a performance-optimized, front-axle transmission oil that has been specially developed for front-wheel drive gearboxes. It reduces torque loss and improves the efficiency of the axle drive.

**FULLY SYNTHETIC**

**SAE GRADE** **75W-85**

**413747**

Performance Levels (Meets & Exceeds):

- API GL-5
- BMW 83-22-2-413-511



## SPIRAL HYPOID G3 - API: GL-5

Spiral Hypoid G3 is a high-performance, fully synthetic axle lubricant made from selected base oils and performance additives which ensures exact friction behavior and provides outstanding aging resistance. It reduces torque loss and improves the efficiency of the axle drive. It is a performance-optimized, rear-axle transmission oil that has been specially developed for rear-wheel drive gearboxes with and without limited-slip differentials.

**FULLY SYNTHETIC**

**SAE GRADE** **75W-80**

**414737**

Performance Levels (Meets & Exceeds):

- API GL-5
- BMW 83-22-2-413-512



## SPIRAL HYPOID G5 - API: GL-5

Spiral Hypoid G5 is an advanced performance, fully synthetic axle oil blended from premium base stock and performance additives which ensures exact friction behavior and provides outstanding aging resistance. It is a performance-optimized, rear-axle transmission oil that has been specially developed for rear-wheel drive gearboxes with and without limited-slip differentials. It reduces torque loss and improves the efficiency of the axle drive.

**FULLY SYNTHETIC**

**SAE GRADE** **75W-80**

**415737**

Performance Levels (Meets & Exceeds):

- API GL-5
- BMW 83-22-2-413-512





## SPIRAL SPECIFIC TL 521 45 - API: GL-5

Spiral Special TL 521 45 is a fully synthetic axle oil for passenger cars which offers good gearbox efficiency suitable for high-offset hypoid drives. It is suitable as fill-for-life fluid according to manufacturer.

**FULLY SYNTHETIC**

SAE GRADE **75W-90**

SAE GRADE **75W-90**

**416738**

### Performance Levels (Meets & Exceeds):

- API GL-5
- MIL-L-2105D
- TL 521 45-Y (G 052 145 A2)



## SPIRAL MTF - API: GL-4

Spiral MTF is engineered for the lubrication of manual gearboxes of passenger cars. The low-viscosity synthetic base of the highest quality in combination with a latest-generation additive package ensures superior anti-friction properties thus ensuring a significant fuel economy and the smoothness of the transmission shift. Due to its unique composition, it ensures excellent anti-wear and anti-scuffing properties that significantly extend the service interval.

**FULLY SYNTHETIC**

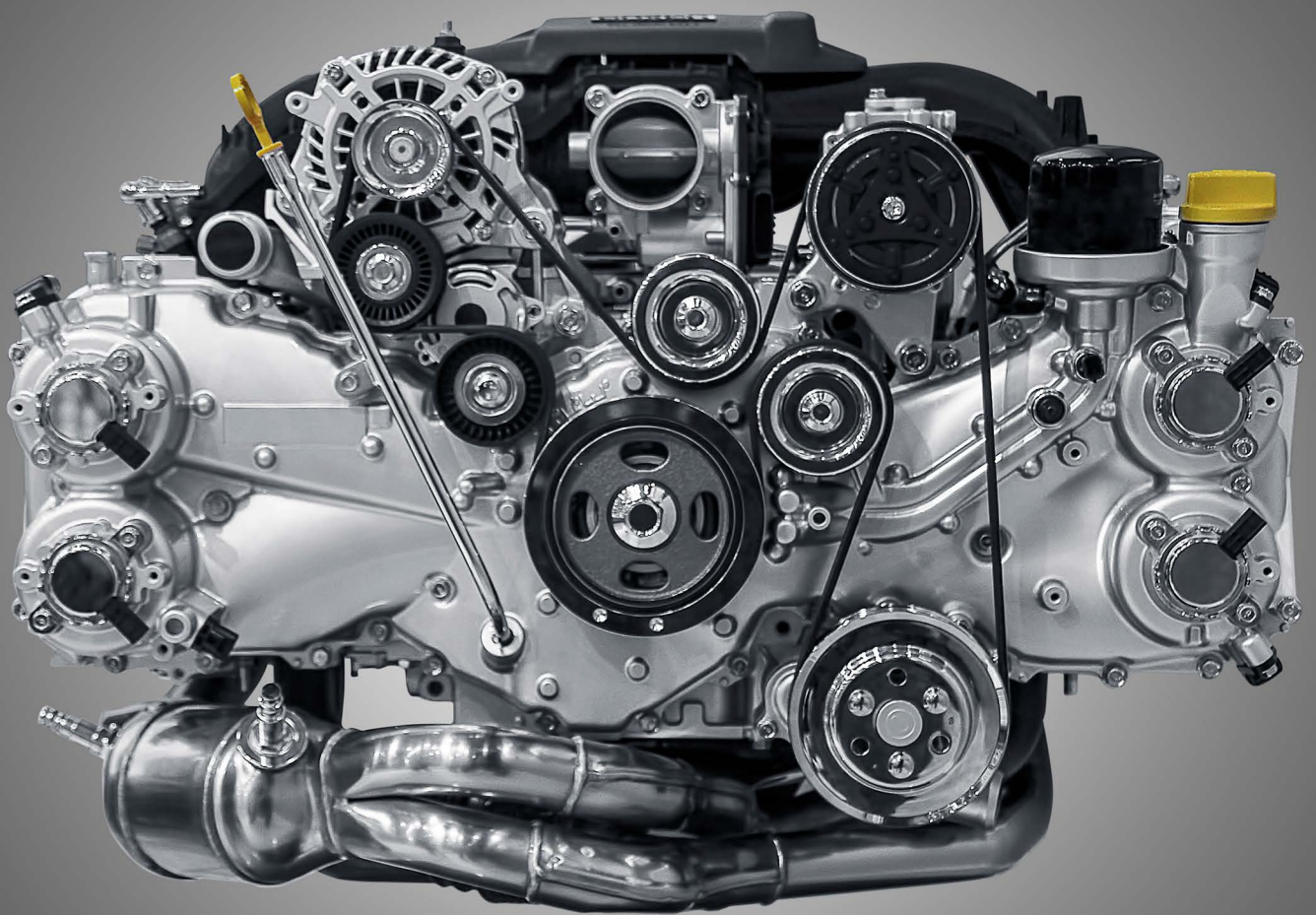
SAE GRADE **75W-80 75W-90**

**417737 417738**

### Performance Levels (Meets & Exceeds):

- API GL-4+
- BMW MTF LLT-2
- GM 1940182/1940764/1940768/
- MB 235.10
- PSA B71 2330
- HONDA MTF/ MTFII
- NISSAN MT-XZ/ MT-XZ TL
- VOLVO 97308/97309
- RENAULT NFJ/NFP/TRJ





**POWER TO PERFORM**



# BRAKE FLUID







## INERTIA 5.1

Inertia 5.1 is an advanced quality fully synthetic polyglycol-based, non-silicone, DOT 5.1 brake fluid blended for all driving conditions and brake systems, including disc, drum, and anti-skid (ABS) applications. It has excellent viscosity-temperature properties over a very high and low-temperature range. It ensures advanced performance and system protection.

**FULLY SYNTHETIC**

SAE GRADE

**DOT 5.1**

ART NO.

**50101**

Performance Levels (Meets & Exceeds):

- FMVSS 116 DOT 5.1
- ISO 4925 (Class 5.1)



## INERTIA 4

Inertia 4 is blended from high molecular weight polyethylene glycol ethers and borate esters, to give a high boiling point fluid of DOT 4 quality. It contains inhibitors to prevent the corrosion of metallic brake components and to reduce oxidation at increased temperatures. The formulation has been developed in a way that the vapour lock point can be sustained at a higher level than conventional glycol ether-based fluids during the service life of the product.

**FULLY SYNTHETIC**

SAE GRADE

**DOT 4**

ART NO.

**50202**

Performance Levels (Meets & Exceeds):

- FMVSS 116 DOT 3 and DOT 4
- SAE J 1703 and J 1704
- ISO 4925 (Classes 3 & 4)
- JIS K 2233



## INERTIA 4 LV

Inertia 4 LV is a very high-performance Brake and Clutch Fluid that conforms to the latest ISO 4925 Class 6 standard. The high wet boiling point of Inertia 4 LV as compared to conventional DOT 4 enables a longer product lifetime. Its exceptional low-temperature viscosity allows easier fluid circulation in micro-valves of anti-locking systems for the better response of ABS, ESP, and ASR high-pressure systems.

**FULLY SYNTHETIC**

SAE GRADE

**DOT 4**

ART NO.

**50303**

Performance Levels (Meets & Exceeds):

- ISO 4925 Class 6
- FMVSS 116 DOT 4
- SAE J 1704
- MB 331.0
- VW 501.14 (TL 766-Z)
- FORD WSS-M6C65-A2/M6C57-A2
- BMW QV 34001





## INERTIA 4 SUPER BLUE

Inertia-4 Super Blue is a very high boiling point (280°C) brake fluid. The overall high dry and wet boiling points make this fluid an excellent choice for street-driven vehicles, where brake fluid is flushed less frequently than that in race-driven vehicles. The advanced formulation offers a minimal drop in boiling point due to outstanding water-binding properties resulting in a long-lasting fluid that may not need to be changed for up to 3 years under normal highway driving conditions.

**FULLY SYNTHETIC**

SAE GRADE **DOT 4**

ART NO. **50404**

### Performance Levels (Meets & Exceeds):

- ISO 4925 Class 6
- FMVSS 116 DOT 4
- SAE J 1704



## INERTIA-4 PLUS

Inertia-4 Plus has been specially engineered for use in heavy-duty brake systems of vehicles that require a DOT 4 synthetic brake fluid. Inertia-4 PLUS Brake Fluid can be mixed with all synthetic brake fluids of the same grade. The product is particularly recommended for brake systems with ABS.

**FULLY SYNTHETIC**

SAE GRADE **DOT 4**

ART NO. **50505**

### Performance Levels (Meets & Exceeds):

- ISO 4925 Class 6
- FMVSS 116 DOT 4
- SAE J 1704
- MB 276.40



## INERTIA 3

Inertia 3 is a DOT 3 brake fluid based on polyglycol and is engineered for use in the hydraulic brake system of commercial vehicles, passenger cars, and motorcycles operating under moderate service conditions and requiring a DOT 3 type of fluid. It also is compatible with all seals and metals used in conventional braking systems. It provides lubrication and system protection. It also is compatible with all seals and metals used in conventional braking systems.

**FULLY SYNTHETIC**

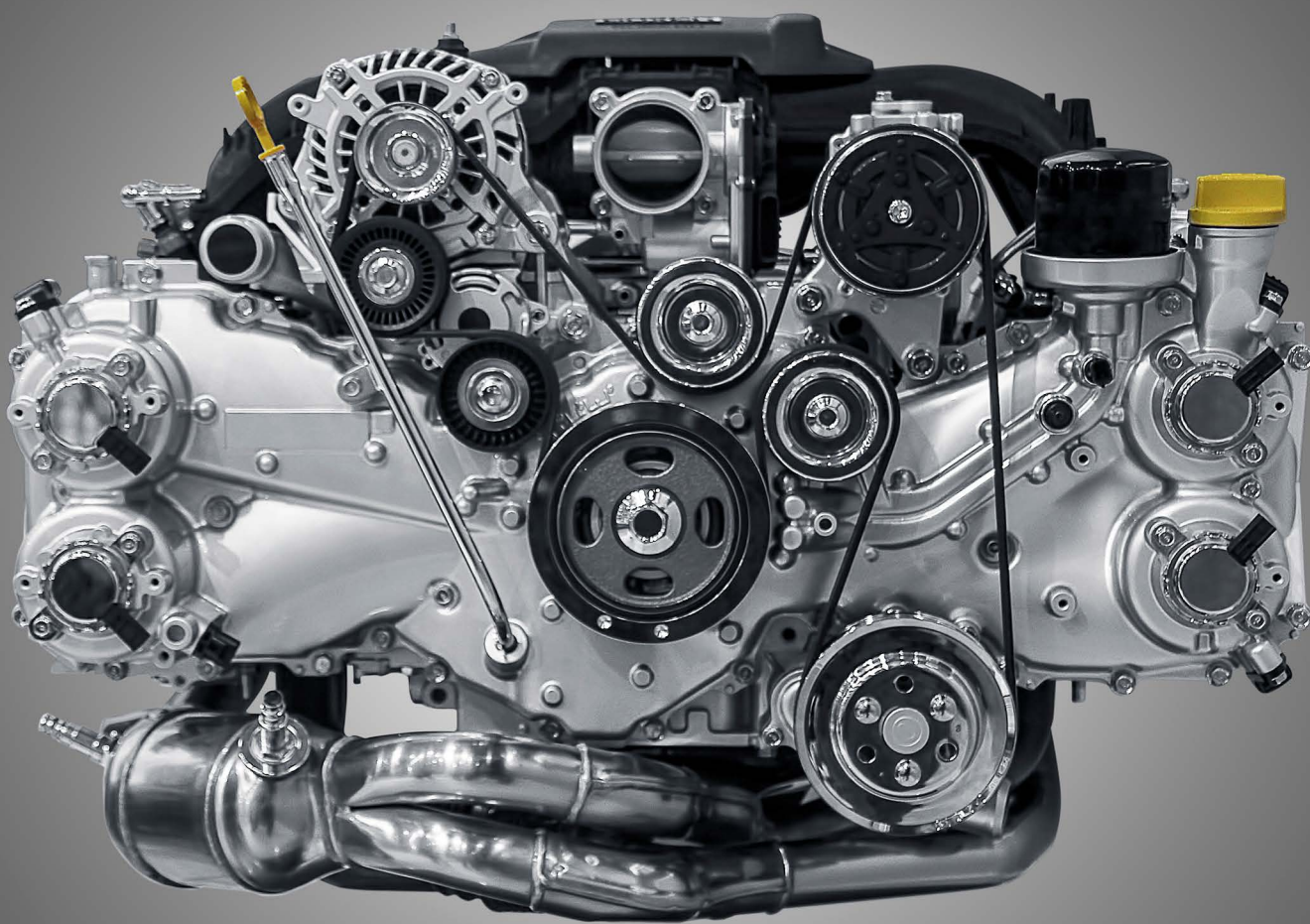
SAE GRADE **DOT 3**

ART NO. **50606**

### Performance Levels (Meets & Exceeds):

- FMVSS 116 DOT 3
- ISO 4925 (Class 3)
- SAE J 1703





**POWER TO PERFORM**



# COOLANT/ANTI-FREEZ







## COOLANT/ ANTI-FREEZE

12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### ACE

ACE Coolant / Antifreeze is a ready-to-use, phosphate-free, silicate-free, nitrite-free, and borate-free, ethylene glycol-based coolant that is blended to provide exceptional wet sleeve liner cavitation and corrosion protection of all cooling system metals. ACE Coolant / Antifreeze is designed with organic corrosion inhibitors to provide total cooling system protection for on-road and off-road use.

**LONG LIFE COOLANT FOR PASSANGER  
CARS AND COMMERCIAL VEHICLES**

CONCENTRATION	33%	50%	60%	100%
ART NO.	526943	526942	526941	526940

#### Performance Levels (Meets & Exceeds):

- BS 6580
- ASTM D3306
- SAE J1034, J1038
- Cummins 90T8-4
- CAT ELC (EC-1)
- Detroit Diesel 7SE298
- GM 1825, 1899M, 6277M
- TMC RP329
- Freightliner 48-22880



### ACE G400

ACE G400 is an Ethylene Glycol based, Anti-freeze and anti-boil coolant concentrate. It uses a technically advanced Si-OAT (Organic Acid Technology) based inhibitor system that is Phosphate, Amine, Borate and Nitrite free. The extended long life inhibitor formulation prevents rust, corrosion, cavitation and degradation of the cooling system. ACE G400 fulfills the requirements of latest VW coolant specification VW TL 774-G (G12++) and provides a service life of 8 years / 500,000 Km.

**SOAT – SILICATED ORGANIC ACID TECHNOLOGY**

CONCENTRATION	100%
ART NO.	527940

#### Performance Levels (Meets & Exceeds):

- Audi TL 774-G
- Bentley TL 774-G
- Bugatti TL 774-G
- GM 6277M
- Cummins CES 14603
- Deutz DQC CC-14
- Ducati (TL 774-G)
- Lamborghini TL774-G
- MAN 324 Typ Si-OAT
- MB 325.6, MB 326.6 (Ready Mix)
- MB 325.5, MB 326.5 (Ready Mix)
- MTU MTL 5048
- Porsche TL 774-G
- FORD WSS-M97B44-D
- Seat TL 774-G
- Skoda TL 774-G
- VW TL 774-G

**SAE GRADE  
ART NO.**



### ACE G130

ACE G130 is a coolant additive concentrate based on mono ethylene glycol and glycerol. It has a combination of active agents which is formulated using an ingenious selection of inhibitors based on hybrid technology. ACE G130 is free of nitrites, amines and phosphates and contains a performance anticorrosion inhibitor system, based on silicates combined with proven OAT (Organic acid technology). It offers great protection to modern passenger cars as well as commercial vehicle engines against frost, corrosion and overheating across its entire engine service life. ACE G130 fulfills the requirements of VW coolant specification VW TL 774-J (G13).

**LOW SILICATE HYBRID - LOBRID**

CONCENTRATION	100%
ART NO.	528940

#### Performance Levels (Meets & Exceeds):

- Volkswagen TL-774 J (G13)





# COOLANT/ ANTI-FREEZE

12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## ACE G300

ACE G300 is a long-life antifreeze coolant concentrate based on mono ethylene glycol for heavy-duty applications as well as passenger cars and stationary combustion engines. It prevents highly loaded engines fitted to passenger cars and commercial vehicles from frost, overheating, corrosion and cavitation. ACE G300 provides protection to the entire cooling system and prevents corrosion on all metals commonly found in engine cooling systems, especially aluminum. ACE G300 fulfills the requirements of VW coolant specification VW TL 774-D/F (G12, G12+) and provides a service life of 7 years / 450,000 Km. ACE G300 is free of nitrites, amines, silicates, and phosphates and blending using the highly efficient OAT (Organic Acid Technology).

### ORGANIC ACID TECHNOLOGY

**CONCENTRATION** 100%

**ART NO.** 529940

#### Performance Levels (Meets & Exceeds):

- |                      |                          |                        |                            |                       |
|----------------------|--------------------------|------------------------|----------------------------|-----------------------|
| • Audi TL 774-D/F    | • Ferrari (> 2010)       | • MB 326.3 (Ready Mix) | • Seat TL 774-D/F          | • TOYOTA TSK 2601G-8A |
| • Bentley TL 774-D/F | • Lamborghini TL 774-D/F | • Mini LC-07           | • MB 326.3 (Ready Mix)     | • GM 6277M            |
| • DAF MAT 74002      | • MAN 324 SNF            | • MTU MTL 5048         | • Skoda TL 774-D/F         | • PSA B71 5110        |
| • Deutz DQC CB-14    | • MB 325.3               | • Porsche TL 774-D/F   | • Volkswagen VW TL 774-D/F | • FORD WSS-M97B44-D   |



## ACE G480

ACE G480 is an antifreeze coolant concentrate based on mono-ethylene glycol. It is free of nitrite, amine, and phosphate. ACE G400 fulfills the requirements of VW coolant specification VW TL 774 -C (G11) and provides a service life of 7 years / 450,000 Km. ACE G480 protects modern engines of passenger cars as well as commercial vehicles from damages caused by cavitation, freezing, rust, and overheating. The highly effective corrosion inhibitors protect all metals in the cooling system from deposits and corrosion. It contains a mixture of inorganic and organic corrosion inhibitors and belongs to the hybrid type coolants.

### SILICATE TYPE HYBRID TECHNOLOGY

**CONCENTRATION** 100%

**ART NO.** 530940

#### Performance Levels (Meets & Exceeds):

- |                         |                        |                   |                            |
|-------------------------|------------------------|-------------------|----------------------------|
| • Audi TL 774-C         | • MAN 324 NF           | • MTU             | • Skoda TL 774-C           |
| • BMW GS 94000          | • MB 325.0             | • MTL 5048        | • VW TL 774-C              |
| • Deutz TR-0199-99-1115 | • MB 325.2             | • Opel B 040 0240 | • Volvo Trucks TR 1286083  |
| • Deutz DQC CA-14       | • MB-326.0 (Ready Mix) | • Seat TL 774-C   | • Voith Turbo 172.00225010 |



## ACE G650

ACE G650 is a premium grade premixed ready to use coolant that protects the cooling system by employing organic acid technology in combination with silicate and phosphate. ACE G650 meets the special requirements of modern engines of the Volkswagen Group and offers excellent protection from corrosion and long life performance even under the highest thermal loadings. This is the updated version of G13 coolant and is backwards compatible. It supersedes G13 and G12 coolants and will mix safely with all other VW coolants (G11, G12, G12+, G13).

### PSI-OAT COOLANT

**CONCENTRATION** 50%

**ART NO.** 531942

#### Performance Levels (Meets & Exceeds):

- |                      |                          |                             |                  |                       |
|----------------------|--------------------------|-----------------------------|------------------|-----------------------|
| • Bentley (TL-774-L) | • Lamborghini (TL 774-L) | • Volkswagen (VW) (TL774-L) | • BS6580:2010    | • ÖNORM V5123         |
| • Audi (TL 774-L)    | • Porsche (TL 774-L)     | • AS 2108-2004              | • CUNA NC 956-16 | • SANS 1251:2005      |
| • Bugatti (TL 774-L) | • Seat (TL 774-L)        | • ASTM D 3306               | • PN-C40007:2000 | • China GB 29743-2013 |
| • Deutz (DQC CC-14)  | • Skoda (TL 774-L)       | • ASTM D 4985               | • SAE J1034      |                       |





## COOLANT/ ANTI-FREEZE

12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### ACE A2 GREEN

ACE A2 Green is a phosphate organic acid technology (phosphate OAT) that is categorized as HOAT (hybrid organic acid technology) in the US market. ACE A2 Green does not contain any silicate, borate, nitrite, or amine containing additives since these may harm your Asian vehicle. Do not mix with other coolants (especially silicate coolants), as this may cause gel formation and clog the radiator. ACE A2 Green is suitable for all Asian vehicles using "green" Antifreeze/Coolant.

**LONG LIFE COOLANT FOR PASSANGER  
CARS AND COMMERCIAL VEHICLES**

CONCENTRATION	33%	50%	60%	100%
ART NO.	532943	532942	532941	532940

Performance Levels (Meets & Exceeds):

- ASTM D-3306



### ACE DEXCOOL 50

ACE Dexcool 50 is a single phase ethylene glycol based extended life coolant for automotive engines. ACE Dexcool 50 meets GM 6277M – General Motors new extended life coolant specification.

**SOAT – SILICATED ORGANIC ACID TECHNOLOGY**

CONCENTRATION	50%
ART NO.	533942

Performance Levels (Meets & Exceeds):

- GM 6277M/1825M/1899M
- US FED A-A-870-A
- CHRYSLER MS 9769
- FORD WSS-M97B44-D2
- VAG G-12
- ASTM D4656



### ACE HOAT

ACE HOAT is based on Hybrid Organic Acid Technology (HOAT) which provides protection against damaging rust and corrosion in automobiles and truck cooling systems including American, Asian, and European vehicles. This product is formulated to be phosphate-free and does not contain 2-Ethylhexanoic acid (2EH).

**HYBRID**

CONCENTRATION	33%	50%	60%	100%
ART NO.	534943	534942	534941	534940

Performance Levels (Meets & Exceeds):

- ASTM D3306, D4985, D6210
- BS 6580
- SAE J1034, J1941
- FORD WSS-M97B51-A1
- ANFOR NF R 15-601
- CATERPILLAR (DEAC)
- CHRYSLER MS 7170
- CUMMINS
- DETROIT DIESEL
- JIS K 2234
- JOHN DEERE H-5, H24B1, H24C1
- TMC RP329, RP330





12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## ACE FL22 - EXTENDED LIFE COOLANT/ ANTIFREEZE

ACE FL22 is a ready to use, prediluted with water, ethylene-glycol based and time-tested coolant without amines and silicates. This product is formulated based on a proven inhibitor development as an extended life radiator antifreeze.

### ORGANIC ACID TECHNOLOGY

CONCENTRATION **50%**

ART NO. **535942**

#### Performance Levels (Meets & Exceeds):

- |   |   |   |   |
|---|---|---|---|
| <ul style="list-style-type: none"> <li>• GM 08CLAG010S0 Honda E Coolant</li> <li>• Ford VC-10-A2</li> <li>• Hyundai 00232-19010</li> <li>• Hyundai 07100-00200</li> </ul> | <ul style="list-style-type: none"> <li>• Hyundai 07100-00400</li> <li>• Hyundai Long</li> <li>• Life Coolant</li> <li>• Mazda 000077508E20</li> </ul> | <ul style="list-style-type: none"> <li>• Mazda C100CL005A4X</li> <li>• Mazda C122CL005A4X</li> <li>• Mazda FL22 Coolant</li> <li>• Nissan Anti-freeze Coolant (L250)</li> </ul> | <ul style="list-style-type: none"> <li>• Nissan KE90299934 / KE90299944</li> <li>• Subaru Coolant 16218</li> <li>• Suzuki Longlife Coolant</li> <li>• WSS-M97B55</li> </ul> |
|---|---|---|---|



## ACE HDD 100 - ULTRA HIGH-PERFORMANCE COOLANT WITH LOW SILICATE TECHNOLOGY

ACE HDD 100 is a long term coolant concentrate based on mono ethylene glycol for heavy duty diesel application as well as stationary engines. ACE HDD 100 is free of amines and phosphates, combined with a low silicate technology that prevents reliably highly loaded engines from frost, overheating, corrosion and cavitation. This most efficient protection extends to all metals in the cooling system.

### SILICATE TYPE HYBRID TECHNOLOGY

CONCENTRATION **100%**

ART NO. **536940**

#### Performance Levels (Meets & Exceeds):

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• MTU MTL 5048</li> <li>• CASE MS 1710</li> <li>• CAT EC-1</li> <li>• CUMMINS CES 14603</li> <li>• DETROIT DIESEL 93K217 (NOAT)</li> <li>• FREIGHTLINER 48-2288D</li> <li>• IVECO 18-1830</li> <li>• KENWORTH R026-170-97</li> <li>• MAN 324 TYPE N</li> <li>• NEW HOLLAND WSN-M97B18-D</li> </ul> | <ul style="list-style-type: none"> <li>• PACCAR CS 0185</li> <li>• TOYOTA Motor Corp. RP 329</li> <li>• CHRYSLER MS 7170/MS 9769</li> <li>• DETROIT DIESEL 7SE298</li> <li>• FORD ESE-M97B44-A</li> <li>• FORD ESE-M97B18-C</li> <li>• FORD WSS M97B51-A1</li> <li>• GM 1825M &amp; GM 1899M</li> <li>• JIS K2234</li> <li>• MACK 014GS17004</li> </ul> |
|---|---|





## COOLANT/ ANTI-FREEZE

12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



### ACE P-OAT - HYBRID TECHNOLOGY

ACE P-OAT is a phosphate organic acid technology (phosphate OAT); which is known as HOAT (hybrid organic acid technology) in the US market. ACE P-OAT is suitable for all Asian vehicles using "blue" Antifreeze/Coolant. ACE P-OAT does not contain any silicate, borate, nitrite, or amine additives. Do not mix with other coolants (especially silicate coolants), as this may cause gel formation and clog the radiator.

**ORGANIC ACID TECHNOLOGY**

**CONCENTRATION**

**50%**

**ART NO.**

**537942**

Performance Levels (Meets & Exceeds):

- ASTM D-3306



### ACE TYPE D

ACE Type D is a new generation, ready to use, ethylene glycol based Antifreeze/coolant which is completely free of silicates, nitrites, amines, phosphates and boron.

**SILICATE TYPE HYBRID TECHNOLOGY**

**CONCENTRATION**

**50%**

**ART NO.**

**538942**

Performance Levels (Meets & Exceeds):

- Renault/ RVI Type D
- AFNOR NF R 15-601
- BS 6580/5117
- ASTM D 3306
- SAE J 1034



### ACE LTC-18 - ULTRA HIGH-PERFORMANCE COOLANT WITH LOW SILICATE TECHNOLOGY

ACE LTC-18 is a superior engine coolant concentrate developed to meet the requirements of most high-performance engines and provides an extended service life of up to 5 years or 250.000 km. ACE LTC-18 is free of phosphates, nitrites, amines, and borates. This Si-OAT formulation incorporates state-of-the-art organic acid technology in an ethylene glycol base for excellent protection of all cooling system components and metals including aluminum.

**HYBRID**

**CONCENTRATION**

**100%**

**ART NO.**

**539940**

Performance Levels (Meets & Exceeds):

- BMW LC-18
- Cummins CES 14603
- CES 14439
- CUNA NC 956-16
- Deutz DQC CC-14
- GB 29743-2013
- JIS K 2234:2006
- ONORM V 5123
- PN-C40007:2000
- SANS 1251:2005
- ASTM D3306
- ASTM D4985
- ASTM D6210
- AS 2108-2004
- BS 6580:2010



# INDUSTRIAL

Industrial lubricants are formulated to help enhance your machine's productivity while delivering optimum performance.





12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## SPUR - EP

SPUR EP gear oils are premium quality, multipurpose mineral oil-based lubricants engineered for many types of industrial gear lubrication services where loads and shock loadings are high.

### MINERAL

#### ISO VG GRADE

68 100 150 200 320 460 680

#### ART NO.

601808 601809 601810 601811 601812 601813 601814

#### Performance Levels (Meets & Exceeds):

- DIN 51517 Part 3 CLP
- ISO 12925-1:1996 CKD
- AIST 224/US STEEL 224
- ANSI/AGMA 9004-D95/9005-E02
- DAVID BROWN S1.53.101
- GM LS 2 EP GEAR OIL
- FIVES CINCINNATI MACHINE GEAR
- FLENDER



## SPUR HD - SYN INDUSTRIAL GEAR OIL

SPUR HD are synthetic PAO based gear oils blended to provide outstanding protection in industrial gear systems. SPUR HD oils are designed for use in a wide range of applications, including reduction gearboxes, direct drives, angle drives, chain drives, gear couplings, hoist/winch gearboxes, screw feeder gearboxes, travel gearboxes, swing gearboxes, turret heads, work heads, centralised circulation systems. They contain an advanced additive system designed to provide excellent protection against scuffing as well as a high level of resistance against micro pitting fatigue.

### SYNTHETIC

#### ISO VG GRADE

68 100 150 200 320 460 680

#### ART NO.

602808 602809 602810 602811 602812 602813 602814

#### Performance Levels (Meets & Exceeds):

- US STEEL 224
- AGMA 250.04
- DAVID BROWN TABLE E 2E-9E





## HYDOL HL R&O - HL DIN 51524-2

Hydol HL R&O is rust and oxidation-inhibited circulating oil designed for use in a variety of industrial applications. The excellent thermal and oxidative stability helps to reduce the formation of sludge and other harmful oxidation products. It has good air release characteristics to minimize cavitation and associated damage to circulating pumps.

**MINERAL**

ISO VG GRADE	32	46	68	100	150	220
ART NO.	603804	603807	603808	603809	603810	603811

### Performance Levels (Meets & Exceeds):

- DIN 51524-2 HL
- VICKERS I-286-S, M-2950-S
- DENISON HF-1, HF-2, HF-0
- CINCINNATI MILACRON P-68 (ISO 32), P-69 (ISO 68), P-70 (ISO 46)
- LEE NORSE 100-1
- B.F. GOODRICH 0152
- FORD M-6C 32
- AFNOR E 48-603
- US STEEL 126, 127



## HYDOL HVLP - HVLP DIN 51524-3

Hydol HVLP HYDRAULIC FLUID is designed to have a high viscosity index and a low pour point for use over a wider temperature range than conventional antiwear HYDRAULIC FLUIDS. It provides excellent wear protection for hydraulic pumps and motors, has excellent oxidation resistance and thermal stability at high temperatures to minimize deposit formation, to provide long service life, and to protect hydraulic system components against rust and corrosion. Hydol HVLP HYDRAULIC FLUID is a high viscosity index antiwear HYDRAULIC FLUID.

**SYNTHETIC/MINERAL**

ISO VG GRADE	15	22	32	46	68	100	150
ART NO.	604816	604802	604804	604807	604808	604809	604810

### Performance Levels (Meets & Exceeds):

- DIN 51524-3 (HV), Type HVLP



## HYDOL HLP - HL DIN 51524-2

HYDOL HLP is an advanced quality hydraulic fluid blended with premium mineral oil base stock and enhanced with an advanced additive package. Its excellent oxidation resistance delivers good performance at higher temperatures and extended operating intervals. It has a high load-carrying capacity and provides good protection against corrosion, foaming, and sludge building. Good anti-wear performance prevents wear of internal components and reduces downtime.

**SYNTHETIC**

ISO VG GRADE	15	22	32	37	46	68	100
ART NO.	611816	611802	611804	611817	611807	611808	611809

### Performance Levels (Meets & Exceeds):

- DIN 51524-2 HL
- ASTM D6158-05 HM
- Eaton (Vickers) M-2950 S, I-286 S
- ISO 11158 HM
- Cincinnati P-68 (ISO 32)
- Cincinnati P-70 (ISO 46)
- Cincinnati P-69 (ISO 68)
- Denison HF-0, HF-1, HF-2
- AFNOR NF-E 48-603



12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## HYDOL SYN HVLP - SYN HLP

Hydol SYN HVLP has excellent high-temperature performance, a high degree of shear stability, and oxidation resistance. This oil is designed to have a high viscosity index and a low pour point for use over a wider temperature range. It provides excellent wear protection and thermal stability at high temperatures to minimize deposit formation and provide long service life. This product protects hydraulic system components against rust and corrosion. Hydol SYN HVLP oil is formulated for very long drain intervals and provides equipment protection up to three times longer than comparable conventional products.

**SYNTHETIC**

ISO VG GRADE	32	46	68	100
ART NO.	605804	605807	605808	605809

### Performance Levels (Meets & Exceeds):

- DIN 51524 Part 3, Type HVLP
- Denison HF-0, HF-1, HF-2



## HYDOL EAL - HYDRAULIC FLUID

To reduce the environmental impact and protect the environment from accidental oil spills, HYDOL EAL has developed a range of synthetic oleochemical esters based biodegradable HYDRAULIC FLUID products. The HYDOL EAL range of biodegradable HYDRAULIC FLUIDS are readily biodegradable lubricants which meet very strict criteria and requirements in terms of biodegradability and toxicity.

**SYNTHETIC**

ISO VG GRADE	46	68	100
ART NO.	606807	606808	606809

### Performance Levels (Meets & Exceeds):

- Pw1 Ultimate Biodegradability (ASTM D5864)
- Vessel General Permit (VGM) Compliant
- OECD 301B Readily Biodegradable
- EN 16807: European Standard



## HYDOL MULTI - SYNTHETIC MULTIFUNCTIONAL HYDRAULIC FLUID

Hydol Multi is a multifunctional, high-performance synthetic based Hydraulic Fluid specially developed for recent vehicles fitted with hydraulic systems such as power steering, hydraulic dampers, suspensions, hard top and hydraulic central systems.

**SYNTHETIC**

ISO VG GRADE	22	32	46	68	100
ART NO.	607802	607804	607807	607808	607809

### Performance Levels (Meets & Exceeds):

- DIN 51 524 T2, 51 524 T3
- ISO 7308
- AUDI G 002 000, G 00 4000, TL 52 146
- BENTLEY RH 5000, TH 5000
- BMW 54 34 0 392 235, 54 34 0 394 395, 54 34 7 117 733, 81 22 9 407 758, 82 11 0 148 132, 82 11 1 468 041, 83 29 0 429 576
- CHRYSLER 05127381AB, 68088485AA, MS 10838, MS 11655, MS 5931
- CITROËN 9730 A5, 9735-EJ, 9735-EJ, 99 7969, 9979-A1, 9979 A4, H 50126, PSA S71 2710, Total Fluide DA, Total Fluide LDS
- DODGE MS 11655
- DS (CAPSA) 9730 A5, 99 7969, 9979 A4, H 50126, Total Fluide DA, Total Fluide LDS
- FENDT X 902 011 622
- FIAT 9.55550-SA1, Tutela GI/R
- FORD WSS-M2C204-A
- FUCHS TITAN ZH 3044, TITAN ZH 4300 B
- GENERAL MOTORS B 040 0070, B 040 0070, B 040 2012, GM 1940715, GM 1940766
- HYUNDAI 00232-19017, PSF-4
- JEEP MS 11655
- KIA 00232-19017, PSF-4
- LAND ROVER Cold Climate PAS Fluid LRN2261, LR003401
- LEXUS PSA S71 2710, PSF NEW-W
- MAN M 3289 (3623/93)
- MERCEDES-BENZ 001 989 24 03 10, 001 989 24 03 12, MB 345.0, Q 1 32 0001
- MINI 54 34 0 392 235, 54 34 0 394 395, 54 34 7 117 733, 81 22 9 407 758, 82 11 0 148 132, 82 11 1 468 041, 83 29 0 429 576
- OPEL B 040 0070, B 040 2012, GM 1940 715, GM 1940 766
- PEUGEOT 9730 A5, 9735-EJ, 99 7969, 9979 A4, H 50126, PSA S71 2710, Total Fluide DA, Total Fluide LDS
- PORSCHE 000 043 203 33, 000 043 206 56
- SAAB 3032 380, 93160548
- SEAT G 002 000, G 004 000, G 004 012, TL 52 146
- SKODA G 002 000, G 004 000, G 004 012, TL 52 146
- TOYOTA PSA S71 2710, PSF NEW-W
- VOLVO 1161529, 1273 36, 30741424
- VW G 002 000, G 004 000, G 004 012, TL 52 146, TL 52 146
- ZF TE-ML 02K



12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## ARIA - COMPRESSOR OIL

The ARIA is an advanced performance ash-less air compressor lubricant blended to meet the stringent requirements of the major compressor manufacturers. It is designed with high-quality mineral base oils and a high-performance additive system designed to provide exceptional equipment protection and reliability for compressors operating under mild to severe conditions. It provides excellent wear protection and the ability to reduce maintenance costs by minimizing equipment problems and downstream deposits and carryover.

**MINERAL**

ISO VG GRADE

**32 46 68 100 150**

ART NO.

**608804 608807 608808 608809 608810**

Performance Levels (Meets & Exceeds):

- DIN 51506 VDL



## ARIA SYN - SYNTHETIC COMPRESSOR OIL

ARIA SYN is a premium quality full synthetic, non-detergent, ash-less, non-zinc containing anti-wear, rust, and oxidation inhibited premium quality oil that is specially blended to satisfy the lubrication needs of oil flooded rotary vane and rotary screw compressors, screw type, and reciprocating air compressors, pumps, vacuum pumps, and blowers. ARIA SYN is blended from the highest quality hydro-finished polyalphaolefins (PAO) synthetic base fluids available.

**SYNTHETIC**

ISO VG GRADE

**32 46 68 100 150 220**

ART NO.

**609804 609807 609808 609809 609810 609811**

Performance Levels (Meets & Exceeds):

- Joy, Ingersoll Rand, Quincy, Kaeser, Worthington
- Atlas Copco, Gardner Denver and Sullair
- ISO-L-DAC, ISO-L-DAJ, ISO-L-DVA, ISO-L-DVD



## REF - REFRIGERATION OIL

REF are premium quality naphthenic oils, blended for use in refrigeration compressors. REF refrigeration oils are recommended for use in refrigeration compressors and other low-temperature applications, including air conditioning systems. They are recommended for other extremely low temperature applications requiring low temperature fluidity at flow points of -50°F or lower. They are not recommended for use with hydrofluorocarbons (HFC) such as R-134A.

**MINERAL**

ISO VG GRADE

**32 46 68 100**

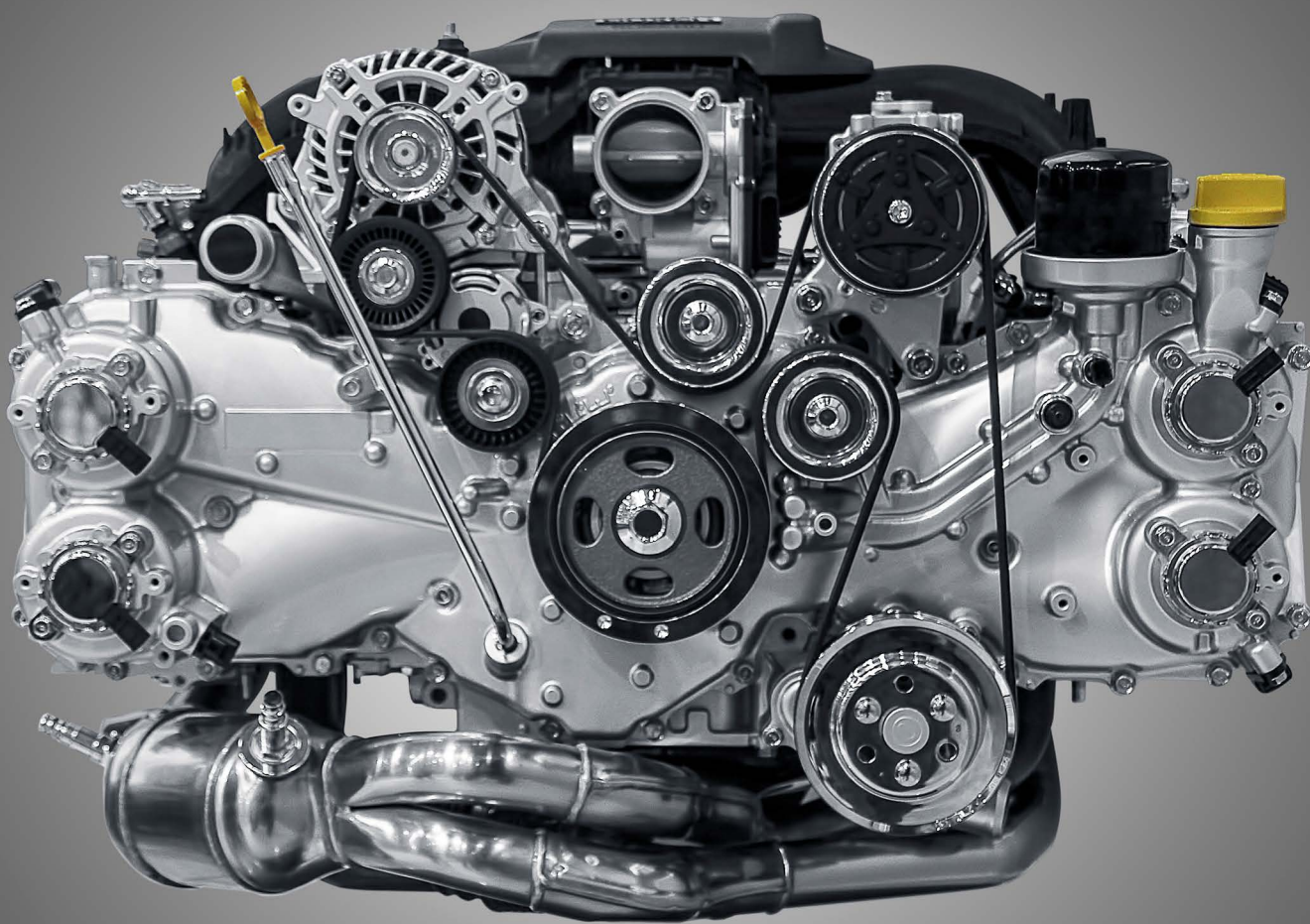
ART NO.

**610804 610807 610808 610809**

Performance Levels (Meets & Exceeds):

- DIN 51503 KAA, KC and KE
- Naphthenic oil without additives





**POWER TO PERFORM**



# GREASE

We hold specialization in formulating a wide array of automotive and industrial greases.





250 gms	500 gms	1x1 kg	1x15 kg	1x150 kg	1x180 kg
71	72	73	74	75	76

## SLIXO L-EP

SLIXO L-EP is a multi-purpose extreme pressure greases based on lithium 12- Hydroxystearate soap thickener and high-quality mineral base oils. This grease contains antioxidants, rust and corrosion inhibitors, extreme pressure, and anti-wear additives. SLIXO L-EP grease offers good mechanical stability, load-carrying capacity, wear and corrosion protection.



### MINERAL

Soap Type: Lithium

### NLGI GRADE

000 00 0 1 2 3

### ART NO.

626901 626902 626903 626904 626905 626906

## WAXOL LC 40-EP-SEMI SYN

WAXOL LC 40-EP-Semi Syn is a fluid grease for use in centralized lubrication systems on trucks and buses. It is based on highly refined mineral as well as selected synthetic base oils, extreme pressure, and other carefully selected additives to provide excellent protection in all conditions.



### SEMI SYNTHETIC

Soap Type: Lithium

### NLGI GRADE

000/00

### ART NO.

627910

## WAXOL L 220-EP

WAXOL L-220 EP is a multi-purpose, extreme-pressure grease based on lithium 12-Hydroxystearate soap thickener and high-quality mineral base oil. This grease contains extreme pressure and other proven additives to enhance the performance in a wide range of applications. It is specifically recommended for steel mill, heavy-duty plain and rolling element bearings operating under severe conditions including shock loading and wet environments, gear box application where semi fluid grease is required and for centralized chassis lubrication systems.



### MINERAL

Soap Type: Lithium

### NLGI GRADE

000 00 0

### ART NO.

628901 628902 628903



250 gms	500 gms	1x1 kg	1x15 kg	1x150 kg	1x180 kg
71	72	73	74	75	76

### SLIXO L-MP

SLIXO L-MP is a general-purpose lubricating grease based on Lithium Hydroxystearate soap thickener and high-quality mineral base oil. This grease contains antioxidants, rust, corrosion inhibitors, and anti-wear additives. This product is recommended for the lubrication of rolling element bearings, electric motor bearings, water pumps, and sealed-for-life bearings. NLGI 1 and NLGI 2 are designed for general industrial lubrication which can be used through centralized lubrication systems operating at normal temperatures.



#### MINERAL

Soap Type: Lithium

#### NLGI GRADE

000 00 0 1 2 3

#### ART NO.

629901 629902 629903 629904 629905 629906

### WAXOL L 100-EP-SYN

WAXOL L 100-EP-Syn grease is a synthetic oil-based grease using lithium soap. Its unique thickener technology and low viscosity oil (PAO), provide excellent lubrication performance at low temperatures down to -50°C and extremely high speeds.



#### SYNTHETIC

Soap Type: Lithium

#### NLGI GRADE

2 3

#### ART NO.

630905 630906

### WAXOL L 100-M3

WAXOL L 100-M3 grease is based on lithium 12-Hydroxystearate soap and high-quality mineral base oil. The grease contains antioxidants, rust and corrosion inhibitors, extreme pressure, and anti-wear additives. The addition of molybdenum disulfide is providing extra protection against wear and shock loads. . This grease contains 3% of Molybdenum disulfide.



#### MINERAL

Soap Type: Lithium

#### NLGI GRADE

2 3

#### ART NO.

631905 631906



250 gms	500 gms	1x1 kg	1x15 kg	1x150 kg	1x180 kg
71	72	73	74	75	76



### WAXOL LX 460-EP-SYN

WAXOL LX 460-EP-Syn is a synthetic, extreme pressure, multi-purpose, semi fluid Lithium Complex formulation fortified with PAO synthetic base oil, polymers, anti-wear agents, tackiness additives, and rust and oxidation inhibitors. This technically advanced grease is specifically designed to perform in a variety of applications and in extreme low temperatures.

**SYNTHETIC**

Soap Type: Lithium Complex

**NLGI GRADE**

**00**

**ART NO.**

**632902**



### SLIXO LC-EP

SLIXO LC-EP is an extreme pressure grease with high resistance to water washout and protects the lubricated parts against wear and corrosion. This grease is recommended for the lubrication of plain and rolling bearings, operated under high loads and in wet environment. It offers excellent mechanical stability, load carrying capacity, and corrosion protection. SLIXO LC-EP has been fortified with Ca-12 Hydroxy stearate thickener to offer enhanced water resistance and mechanical stability, which makes this grease a real multipurpose grease.

**MINERAL**

Soap Type: Lithium

**NLGI GRADE**

**000**

**00**

**0**

**1**

**2**

**3**

**ART NO.**

**633901**

**633902**

**633903**

**633904**

**633905**

**633906**



### WAXOL LX 220-EP

WAXOL LX 220-EP grease is made from high viscosity index mineral oils and performance additives to enhance extreme pressure, anti-wear, anti-corrosion and anti-oxidation properties. This grease is recommended for bearings operating under the load at high temperatures. This product is also suitable for use in applications such as continuous casting, quarries, breakers, roller conveyors and automotive wheel bearings.

**MINERAL**

Soap Type: Lithium Complex

**NLGI GRADE**

**1**

**2**

**3**

**ART NO.**

**634904**

**634905**

**634906**



250 gms	500 gms	1x1 kg	1x15 kg	1x150 kg	1x180 kg
71	72	73	74	75	76

## SLIXO LC-MP

SLIXO LC-MP is a general-purpose lubricating grease based on Lithium Hydroxystearate soap thickener and high-quality mineral base oil. This grease contains antioxidants, rust, corrosion inhibitors, and anti-wear additives. The product is recommended for the lubrication of rolling element bearings, electric motor bearings, water pumps, and sealed-for-life bearings. NLGI 1 and NLGI 2 are designed for general industrial lubrication which can be used through centralized lubrication systems operating at normal temperatures. SLIXO LC-MP has been fortified with Ca-12 Hydroxy stearate thickener to offer enhanced water resistance and mechanical stability.



### MINERAL

Soap Type: Lithium

### NLGI GRADE

1 2 3

### ART NO.

635904 635905 635906

## WAXOL LC 150-EP-M5-SYN

WAXOL LC 150-EP-M5 Syn is a synthetic grease with 5% MoS<sub>2</sub>. This is an extreme pressure, multi-purpose, mining, and construction equipment grease, which offers protection from sustained heavy-duty operations. This advanced, synthetic product offers excellent mobility even in arctic winter conditions. WAXOL LC 150-EP-M5 Syn grease is formulated for excellent all-round performance, balancing mobility, load-carrying capability, and long effective service life.



### SYNTHETIC

Soap Type: Lithium

### NLGI GRADE

000/00 1

### ART NO.

636910 636904

## WAXOL LC 220-EP

WAXOL LC 220-EP is an extreme-pressure grease containing a solid lubricant. It also has a very high resistance to water washout and protects the lubricated parts against wear and corrosion. This grease is recommended for the lubrication of shock-loaded, heavy duty bearings working in wet conditions. It is also suitable for off-road applications and fifth-wheel lubrication.



### MINERAL

Soap Type: Lithium

### NLGI GRADE

2

### ART NO.

637905



250 gms	500 gms	1x1 kg	1x15 kg	1x150 kg	1x180 kg
71	72	73	74	75	76

### WAXOL LX 460-EP

WAXOL LX 460-EP is a mineral oil-based grease with extreme pressure performance. It is recommended for general industrial and automotive applications when loads or temperatures exceed the range of general-purpose greases. It is particularly recommended for grease lubrication of heavy duty, slow moving bearings used in heavy industries e.g. steel, cement, paper, chemical industry and mining.



**MINERAL**

Soap Type: Lithium Complex

**NLGI GRADE**

**2**

**ART NO.**

**638905**

### WAXOL LX 150-EP

WAXOL LX 150-EP is a multi-purpose lithium complex-based grease developed for high temperature and long-term performance in industrial and automotive applications. The grease possesses good fretting corrosion protection, good water tolerance, resistance to water wash-out, and reliable corrosion protection combined with excellent mechanical stability and good load-carrying capabilities. It contains EP, Rust, and Anti-oxidant additives.



**MINERAL**

Soap Type: Lithium Complex

**NLGI GRADE**

**1**

**2**

**3**

**ART NO.**

**639904**

**639905**

**639906**

### CALEX HT

Calex HT grease is based on calcium 12-Hydroxystearate soap and high-quality base oil. The soap structure and specially selected additives ensure operating temperatures of 110°C, combined with high resistance against water, very good lubricity, protection against wear and high corrosion resistance.



**MINERAL**

Soap Type: Calcium

**NLGI GRADE**

**1**

**2**

**3**

**ART NO.**

**640904**

**640905**

**640906**



250 gms	500 gms	1x1 kg	1x15 kg	1x150 kg	1x180 kg
71	72	73	74	75	76

## BENTEX ND 460

BENTEX ND 460 is made from Bentone clay, highly refined heavy base oil, anti-oxidant and anti-rust additives. It is resistant to water.



**MINERAL**

Soap Type: Bentone Clay

**NLGI GRADE**

**2**

**ART NO.**

**641905**

## CALEX LT

Calex LT is a water-resistant calcium-soap thickened lubricating grease of NLGI 2 and NLGI 3 consistency. This is a good quality grease with excellent water resistance and good protection against corrosion.



**MINERAL**

Soap Type: Calcium

**NLGI GRADE**

**1**

**2**

**3**

**ART NO.**

**642904**

**642905**

**642906**

## WAXOL P&B

WAXOL P&B grease is a well-known, multi-purpose lithium grease. The grease allows the presence of very fine-grade graphite which will fill surfaces and distribute the load evenly preventing further wear and tear. It is suitable for the lubrication of various industrial, agricultural, and earth-moving equipment applications.



**MINERAL**

Soap Type: Lithium

**NLGI GRADE**

**2**

**3**

**ART NO.**

**643905**

**643906**



250 gms	500 gms	1x1 kg	1x15 kg	1x150 kg	1x180 kg
71	72	73	74	75	76

## WAXOL PU 460-SYN

WAXOL PU 460 Syn is a synthetic, high-performance, and long life product suitable for fill-for-life applications in wide range of industrial applications. This grease is based on synthetic, high-viscosity base stock engineered with performance additives resulting in an outstanding long life, high-performance grease. The product has also excellent water resistance and water washout characteristics. It is recommended for steel, paper, wind power applications as well as heavy duty slow moving plain



**SYNTHETIC**

Soap Type: Polyurea

**NLGI GRADE**

**1.5**

**2**

**ART NO.**

**644911 643905**

## WAXOL PU 100

WAXOL PU 100 is a multipurpose, high temperature, extreme pressure grease that is specially formulated to provide lubrication for highly loaded ball, roller and plain bearing applications at high temperatures where an extended service life is required. It is also recommended for paper, steel, aluminum, chemical and other industries.



**MINERAL**

Soap Type: Polyurea

**NLGI GRADE**

**2**

**ART NO.**

**645905**

## WAXOL PU 460

WAXOL PU 460 is an extreme-pressure grease designed to give enhanced lubrication in loaded low to medium-speed industrial bearings, especially in continuous steel casting lines. It is also recommended for the lubrication of high-temperature slow-moving concast bearings in the steel industry. It can also be used in high-temperature, slow-moving bearing applications.



**MINERAL**

Soap Type: Polyurea

**NLGI GRADE**

**1.5**

**ART NO.**

**646911**



250 gms	500 gms	1x1 kg	1x15 kg	1x150 kg	1x180 kg
71	72	73	74	75	76

## WAXOL AX 100-SYN

WAXOL AX 100-Syn grease is a high-performance grease developed for use in the food processing industry. It is based on fully synthetic base oil with WAXOL AX 100-Syn thickener and performance additives. WAXOL AX 100-Syn grease has a strong affinity for metal and it is highly stable when operating with heavy loads at high temperatures. It has excellent sealing properties and it is ideal for lubricating bearings subjected to high temperatures and pressures. The operating temperature range is -40°C to



**SYNTHETIC**

Soap Type: Aluminum Complex

**NLGI GRADE**

**1**

**2**

**ART NO.**

**647904 647905**

## WAXOL CSX-460

WAXOL CSX-460 is a high-performance, heavy-duty lubricating grease based on calcium sulfonate complex thickener system and high-quality heavy mineral base oil. A unique structure of calcium sulfonate complex thickener provides high dropping point, extraordinary extreme-pressure and anti-wear performances, excellent rust protection, superior mechanical stability and superior resistance against water washout.



**MINERAL**

Soap Type: Calcium Sulfonate Complex

**NLGI GRADE**

**1.5**

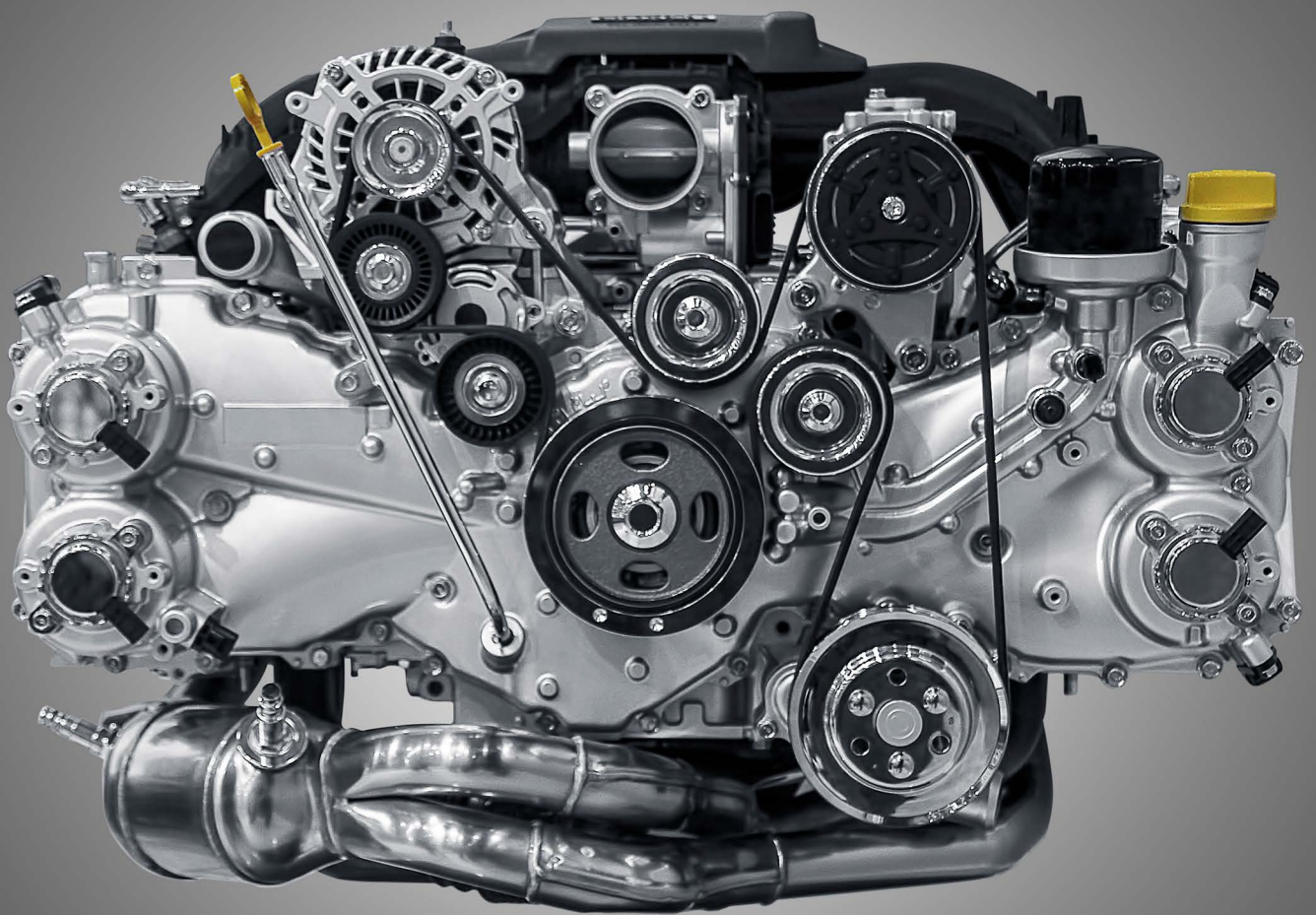
**2**

**3**

**ART NO.**

**648911 648904 648905**





**POWER TO PERFORM**



# MARINE

Marine products are designed to help your vessels and machines cost effective, efficient, and consistent in performance, and make them comply with rising environmental and safety requirements.







## MARINE 2T PLUS - NMMA TC-WIII

Marine 2T Plus is an advanced, two-stroke, marine outboard engine oil engineered with a special ash-less additive system. It is designed for engines requiring NMMA TC-WIII performance lubricants, operating in all service conditions. It is pre-diluted with high flash point solvent to facilitate mixing with petrol at all temperatures.

**MINERAL**

SAE GRADE

**20**

ART NO.

**801701**

Performance Levels (Meets & Exceeds):

- API TC
- NMMA TC-WIII



## MARINE 2T - NMMA TC-WII

Marine 2T is high-performance two-stroke outboard marine engine oil conforming to TC-WII; superior quality ash-less two-stroke lubricant designed to meet the most critical requirements of all air-cooled and water-cooled outboard engines.

**MINERAL**

SAE GRADE

**20**

ART NO.

**802701**

Performance Levels (Meets & Exceeds):

- NMMA TC-WII
- NMMA TC-W



12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## MARINE 1230 & 1240 - TPEO

Marine 1230 and 1240 are advanced trunk piston engine oils for medium-speed marine and industrial-type trunk piston engines operating on low Sulphur distillate fuel (Sulphur up to 1.0%). They are engineered using solvent-refined high viscosity index paraffin mineral base stocks with an advanced additive system that provide effective alkalinity, wear resistance, detergency, and dispersancy.

**MINERAL**

**SAE GRADE** 30 40  
**ART NO.** 803702 803703

### Performance Levels (Meets & Exceeds):

- API: CF

### Meets OEMs:

- MAN
- Mak / Caterpillar
- Wartsila
- Yanmar
- Daihatsu



## MARINE 1530 & 1540 - TPEO

Marine 1530 and 1540 are premium quality trunk piston engine oils for medium-speed marine and industrial type trunk piston engines operating on low Sulphur distillate fuel (Sulphur up to 1.0%). They are formulated using solvent-refined high viscosity index paraffin mineral base stocks with a chemical additive that provide effective alkalinity, wear resistance, detergency, and dispersancy.

**MINERAL**

**SAE GRADE** 30 40  
**ART NO.** 804702 804703

### Performance Levels (Meets & Exceeds):

- API: CF

### Meets OEMs:

- MAN
- Mak / Caterpillar
- Wartsila
- Yanmar
- Daihatsu



## MARINE 2030 & 2040 - TPEO

Marine 2030 and 2040 are high performance trunk piston engine oils for medium speed marine and industrial type trunk piston engine operating on low Sulphur distillate fuel. They are blended using solvent-refined high viscosity index paraffinic mineral base oils with chemical additive which provide effective alkalinity, wear resistance, detergency and dispersancy.

**MINERAL**

**SAE GRADE** 30 40  
**ART NO.** 805702 805703

### Performance Levels (Meets & Exceeds):

- API: CF

### Meets OEMs:

- MAN
- Mak / Caterpillar
- Wartsila
- Yanmar
- Daihatsu





## MARINE 3030 & 3040 - TPEO

Marine 3030 and 3040 are trunk piston engine oils for crankcase lubrication requirements of high-output medium speed engines and other similar marine type applications. They are formulated from solvent-based paraffinic thermally stable base oils, combined with an effective additive package providing enhanced load-carrying ability, efficient oxidation stability, and effective dispersancy/detergency.

**MINERAL**

**SAE GRADE** 30 40  
**ART NO.** 806702 806703

### Performance Levels (Meets & Exceeds):

- API: CF

### Meets OEMs:

- MAN
- Mak / Caterpillar
- Wartsila
- Yanmar
- Daihatsu



## MARINE 4040, 5040, 5540 - TPEO

Marine 4040, 5040, and 5540 are trunk piston engine oils designed for use in medium speed diesel engines operating on residual fuels in marine, power generation and industrial applications. The superior additive technology used in these oils provides excellent engine cleanliness & wear protection under different operating conditions. These oils exhibit a high degree of water tolerance and have better water separation and base retention properties.

**MINERAL**

**SAE GRADE** 40  
**ART NO.** 807703

### Performance Levels (Meets & Exceeds):

- API: CF

### Meets OEMs:

- MAN
- Mak / Caterpillar
- Wartsila
- Yanmar
- Daihatsu



## MARINE ULTRA - API: CI-4/SL

Marine Ultra is an ultimate-performance multi-grade diesel engine oil for use in most severe fishing boats and marine applications. It is especially engineered for protection of modern, high-output, high speed four-stroke marine engines including those fitted with turbocharged engines running on low sulphur diesel or conventional high sulphur diesel fuel.

**MINERAL**

**SAE GRADE** 15W-40  
**ART NO.** 808703

### Performance Levels (Meets & Exceeds):

- API: CI-4/SL
- ACEA E7/A3/B3/B4
- MB 228.3
- VOLVO VDS-3
- MAN 3275
- Cummins CES 20076/77
- Global DHD-1
- Cat ECF-2/ECF-1a
- MACK EO-M Plus





12x1L	6x4L	4x5L	20L	25L	60L	200L	208L
12	64	45	20	25	60	200	208



## MARINE SO 630 & SO 640 - MARINE SYSTEM OIL

Marine SO 630 and 640 are premium quality multipurpose system oils designed, primarily for low speed, crosshead marine diesel engines operating on residual fuels. They are alkaline oils giving the highest levels of protection in a wide variety of engine and shipboard applications.

**MINERAL**

SAE GRADE	30	40
ART NO.	809702	810703

Meets OEMs:

- MAN
- Wartsila
- MHI



## MARINE MCL 25, 40, 50, 70 & 100 - MARINE CYLINDER OIL

Marine MCL is a range of alkaline marine cylinder lubricants for all low speed marine two stroke crosshead engines, including low Sulphur applications, highly rated large bore engines and engines at optimised feed rates.

**MINERAL**

SAE GRADE	50
ART NO.	811704

Performance Levels (Meets & Exceeds):

- MAN Diesel & Turbo
- MHI-MME and Wärtsilä
- Mitsubishi Heavy Industries

Meets OEMs:

- MAN
- Mak / Caterpillar
- Wartsila
- Yanmar
- Daihatsu



## MARINE MGO - MARINE GEAR OIL

Marine MGO are mineral oils based gear oils having sulphur phosphorus chemistry. These oils demonstrate improved thermal stability and oxidation resistance over conventional lead-naphthenate oils. They have good demulsibility characteristics, low foaming tendency and provide rust and corrosion protection to metal surfaces.

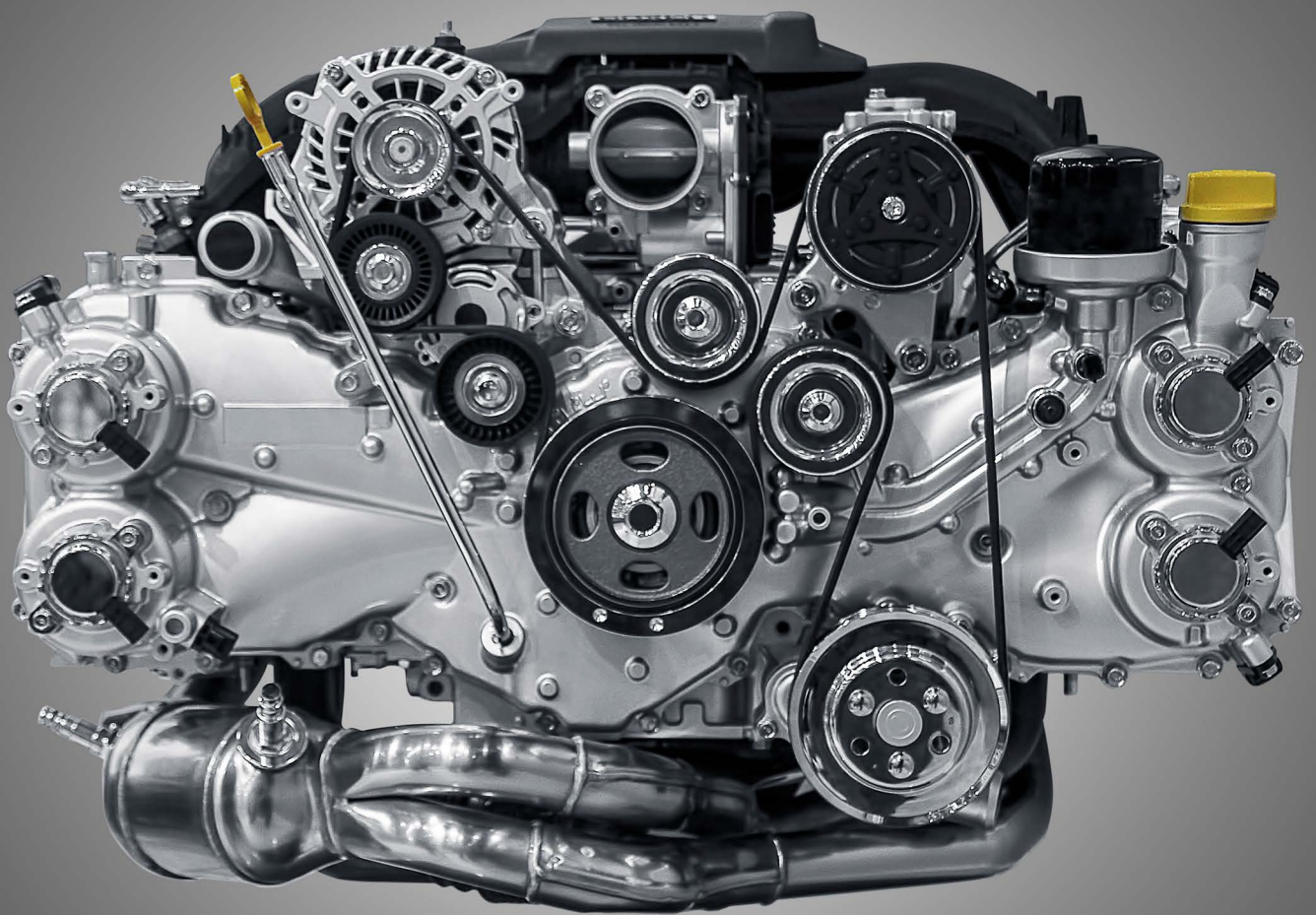
**MINERAL**

ISO VG GRADE	50	100	150	220	320	460
ART NO.	816817	816809	816810	816811	816812	816813

Performance Levels (Meets & Exceeds):

- AGMA Standard 250.04
- IS: 8406-1993
- US Steel requirement No. 222 and 224
- ASLE standard G-315, G-1000, G-1500, and G-2150
- Cincinnati Milacron (P63, P76, P77, P74, P59, P35)





**POWER TO PERFORM**





# SPECIALTY

Leading manufacturer, formulator, and packager of a complete line of specialty lubricants for a wide range of industries.







## SPO TURBINE OIL - TURBINE OIL

SPO Turbine Oil is a lubricant specifically designed for use in steam and gas turbine applications. Formulated with high-quality base oil and selected additives package, it offers good oxidation stability and corrosion protection along with good demulsibility, antifoaming and air release properties.

**SYNTHETIC**

ISO VG GRADE

32

46

68

ART NO.

901804

901807

901808

### Performance Levels (Meets & Exceeds):

- DIN 51515 TEIL 1 (L-TD), TEIL 2 (L-TG)
- TLV 901304
- MIL-L-17672 D
- BRITISH STANDARD BS 489
- GENERAL ELECTRIC GEK 32568 A
- GENERAL ELECTRIC GEK 32568 C
- CEEB STANDARD 207001
- BROWN BOVERI HTGD 90117
- U.S. STEEL 120
- WESTINGHOUSE ELECTRIC CORP. TURBINE OIL SPEC
- ALSTOM HTGD 90117 V0001 S
- DIN 51524-1 / 2



## SPO THERMIC FLUID - THERMIC OIL

SPO Thermic Oils are mineral oil-type heat transfer oils for use in thermic systems with forced circulation.

**MINERAL**

ISO VG GRADE

22

46

ART NO.

902802

902807



## SPO MOLD RELEASE AGENT - DEMOULDING OIL FOR CEMENT PRODUCTS

SPO Mold Release Agent is an extremely light demoulding oil for cement products. It prevents adhesion by developing a physical film or barrier between the forming surface and the concrete. It has been specially developed for concrete demoulding where the oil creates a layer between the concrete and the mould. This layer is a critical part of the process as the chemistry of the product will result in soap formations at the interface.

**MINERAL**

ART NO.

90301





## SPO HYD FLUID HFDU - FIRE RESISTANT HYDRAULIC FLUID

SPO fire resistant hydraulic fluid HFDU is an ester-base, high-performance fire resistant hydraulic fluid. It is designed for hydraulic equipment operating in locations comprising a fire risk, such as iron and steel works (coking plants, blast furnaces, continuous casting), mines, etc. This product is not toxic, and has a rapid bio-degradation property.

**MINERAL**

ISO VG GRADE

46

68

ART NO.

904807 904808

Performance Levels (Meets & Exceeds):

- ISO 6743/4 HFDU
- ISO 12922



## SPO HYD FLUID HFC - FIRE RESISTANT HYDRAULIC FLUID

SPO fire resistant hydraulic fluid HFC is a water glycol hydraulic fluid technology with improved fire resistance while protecting equipment under severe service conditions. It is designed particularly for hydraulic systems utilising vane, gear and piston hydraulic pumps used in steel, aluminum and die-casting industries. It is a highly shear stable product offering enhanced corrosion resistance performance and seal compatibility, providing excellent pump lubrication which can help to extend equipment service life.

**MINERAL**

ISO VG GRADE

46

68

ART NO.

905807 905808

Performance Levels (Meets & Exceeds):

- ISO L-HFC (ISO/DIS 12922)
- FM Global Standard 6930



## SPO TRANSFORMER OIL (INHIBITED) - TRANSFORMER OIL

SPO Transformer Oil (Inhibited) is a series of products blended using highly refined mineral oil and a selected antioxidant package. They are designed for insulating and cooling transformers, oil-immersed switch-gear and other electrical insulating applications.

**MINERAL**

ART NO.

90601

Performance Levels (Meets & Exceeds):

- IEC 296 Class IA-Inhibited
- IEC 296 Class I-Inhibited
- IEC 60296-Inhibited (Paraffinic)
- IEC 60296-Inhibited (Naphthenic)





## SPO TRANSFORMER OIL (UN-INHIBITED) - TRANSFORMER OIL

SPO Transformer Oil is series of highly refined un-inhibited mineral oils. These are designed for insulating and cooling transformers, oil immersed switch-gear and other electrical insulating application. They provide excellent dielectric (insulating) properties, effectively prevent discharge in an electric field. These oils have low viscosity and low density that lead to the oils having good cooling properties and good heat transfer characteristics at room temperature and below, so ensure effective cooling of transformer core and coils.

**MINERAL**

ART NO. **90701**

### Performance Levels (Meets & Exceeds):

- BS 148:1984 Class-I/IEC 295 Class I-Uninhibited
- IEC 60296-Uninhibited (Paraffinic)
- IEC 60296-Uninhibited (Naphthenic)



## SPO HT SYNTH CHAIN OIL - INDUSTRIAL CHAIN OIL

SPO HT SYNTH Chain Oil is a high temperature chain oil with high film strength and adhesion, for a wide thermal operating range. It is suitable for chains, slide ways and guideways on machinery and apparatus in the textile, plastics and timer industries, also for conveyor chains in driers, oven/furnaces, paint lines, and wherever chain lubrication at temperature is required. SPO HT SYNTH Chain Oil has wide range of applications temperature range from -30°C to +250°C.

**SYNTHETIC**

ISO VG GRADE	<b>68</b>	<b>100</b>	<b>220</b>	<b>320</b>
ART NO.	<b>908808</b>	<b>908809</b>	<b>908811</b>	<b>908812</b>



## SPO NEAT CUTTING OIL - CUTTING OIL

SPO Neat Cutting Oil is formulated from high quality base oils and combination of passive and extreme pressure additive package especially developed for cutting oils used in severe operations. This cutting oil is extremely effective at providing rust and corrosion protection of parts, cutting tools and the machine.

**MINERAL**

ISO VG GRADE	<b>22</b>	<b>32</b>
ART NO.	<b>909802</b>	<b>909804</b>





## SPO SOLUBLE CUTTING OIL - SOLUBLE CUTTING OIL

SPO Soluble Cutting Oil is formulated from high quality base oils and combination of passive and extreme pressure additive package especially developed for cutting oils used in severe operations. This cutting oil is extremely effective by providing rust and corrosion protection of parts, cutting tools, and the machine. It has outstanding emulsion stability and readily mixes with water. It is recommended at 10:1 up to 20:1 water oil dilution for milling, boring and turning and 40:1 for grinding. It is non-staining and can be used on both ferrous and non-ferrous metals.

**MINERAL**

ISO VG GRADE **46**

ART NO. **910807**



## SPO KNITTING OIL - KNITTING OIL

SPO Knitting Oil is especially designed for application in knitting industry. Blended with high quality, highly refined base oils and improved anti-wear additives to meet the increased requirements of knitting industry in terms of high speed and temperatures. The oil has good oxidation stability and provides long life to machine components. It provides excellent lubrication and affords complete removability from fabric during most scouring processes. It is compatible with all conventional sealing materials, rubber and plastic components.

**SYNTHETIC**

ISO VG GRADE **10 22 32**

ART NO. **911801 911802 911804**



## SPO SPINDLE OIL - SPINDLE OIL

SPO Spindle Oil is low viscosity spindle bearing oil formulated from highly refined mineral oil, anti-wear agents and rust and oxidation inhibitors. It is designed for the lubrication of high speed textile machines and automated machine tools. It is also used in some critical hydraulic, circulation systems where the appropriate viscosity grade is selected.

**MINERAL**

ISO VG GRADE **10 22 32 46**

ART NO. **912801 912802 912804 912807**





## SPO CONING OIL - CONING OIL

SPO Coning Oil is specially formulated anti-static and anti-splash coning oil. It is recommended for use in textile industry as finishing agent. It is highly refined, light coloured, low viscosity mineral oil, based product containing suitable emulsifier, anti-static, friction reducing and anti-splashing agents to minimize oil dosage during coning and twisting operation. SPO Coning Oil provides excellent lubrication to filaments and reduce friction during operation.

**MINERAL**

ISO VG GRADE	10	32
ART NO.	913801	913804



## SPO QUENCHING OIL - QUENCHING OIL

SPO Quenching Oil is a highly refined, paraffinic based quenching oil for the uniform hardening of carbon and alloy steels. The low viscosity of SPO Quenching Oil enables fast oil circulation during heat transfer, providing rapid quenching, and reduced drag-out and fast draining, minimising oil losses during operation.

**MINERAL**

ISO VG GRADE	46
ART NO.	914807



## SPO SLIDEWAYS OIL

SPO Slideways Oil range has been specially designed to meet the demanding lubricant requirements of modern machine tool slideways. They are blended with highly refined mineral oils and contain additive to enhance its tackiness, anti-wear and stick-slip characteristics. The products provide maximum protection against wear and corrosion with excellent adhesion to the slideways even under the most difficult working conditions.

**MINERAL**

ISO VG GRADE	32	68	220
ART NO.	915804	915808	915811

Performance Levels (Meets & Exceeds):

- DIN 51524-2 HLP
- DIN 51517-3 CLP
- CINCINNATI LAMB P-47





**VENÖM**  
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