



TURBO X-TRA HD

SYNTHETIC / SEMI SYNTHETIC / MINERAL

PRODUCT DESCRIPTION:

Turbo X-Tra HD is an advanced quality heavy-duty diesel engine oil that is specifically blended to deliver longer oil drain intervals TURBO X-TRA HD meets or 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 supports longer engine life.

APPLICATION:

TURBO X-TRA HD is recommended for heavy-duty diesel engines including Euro V/VI modern low emission vehicles, utilizing technologies such as Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR), Continuously Regenerating Traps (CRT), Diesel Oxidation Catalysts (DOC) and Exhaust Gas Recirculation (EGR). It is also recommended for High-performance diesel applications including turbo-charged designs featuring EGR technology and diesel applications using older, naturally aspirated conventional designs. On-highway heavy-duty trucking and off-highway including construction, mining, quarrying, and agriculture.

FEATURES & BENEFITS:

- Excellent control of oil thickening due to soot build-up.
- Outstanding TBN retention for long drain intervals.
- Outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear.
- Designed to control aeration exceptionally
- Excellent shear stability
- Improved oxidation stability

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

SAE GRADES	0W-30	0W-40	5W-30	5W-40	10W-30	10W-40	15W-40
• API	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN
• ACEA 2016	E9	E9	E9	E9	E9	E9	E9
• Caterpillar	ECF-3	ECF-3	ECF-3	ECF-3	ECF-3	ECF-3	ECF-3
• Volvo	VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5
• Cummins	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086
• MB	-	-	228.31	228.31	228.31	228.31	228.31
• MAN	M3775	M3775	M3775	M3775	M3775	M3775	M3775
• Deutz	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA
• Renault	RLD-3	RLD-3	RLD-3	RLD-3	RLD-3	RLD-3	RLD-3
• Mack	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5
• DDC	-	-	93K222	93K222	93K222	93K222	93K222
• MTU	-	-	Type 2.1	Type 2.1	Type 2.1	Type 2.1	Type 2.1
• FORD	WSS- M2C171-F1	WSS- M2C171-F1	WSS- M2C171-F1	WSS- M2C171-F1	WSS- M2C171-F1	WSS- M2C171-F1	WSS- M2C171-F1


TYPICAL PERFORMANCE:

PARAMETERS	ASTM	UNIT	TURBO X-TRA HD (Typical Specification)						
			0W-30	0W-40	5W-30	5W-40	10W-30	10W-40	15W-40
Grade									
Kinematic Viscosity @ 104°F /40°C	D-7042	cSt	67.1	88.5	68.85	91.45	74.95	102.3	114.1
Kinematic Viscosity @ 212°F /100°C	D-7042	cSt	11.9	15.1	11.9	15.1	11.8	15.2	15.3
Viscosity Index	D-2270	-	176	181	171	175	153	157	141
SP. Gravity @15°C/ 60°F	D-4052	g/cm ³	0.848	0.845	0.859	0.859	0.874	0.873	0.885
Flash Point (min)	D-92	°C	228	228	230	230	232	232	234
Pour Point (max)	D-97	°C	-42	-42	-42	-42	-39	-39	-33
TBN	D-2896	Mg KOH/g	8	8	8	8	8	8	8
CCS, (°C)	D-5293	m.Pa.S	6200 (-35°C)	6200 (-35°C)	6600 (-30°C)	6600 (-30°C)	7000 (-25°C)	7000 (-25°C)	7000 (-20°C)

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point.

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office.

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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