



## TURBO X-PLUS MINERAL

### PRODUCT DESCRIPTION:

Turbo X-Plus is a high-performance engine oil that provides proven protection to diesel engines operating in severe conditions for both On and Off-highway applications. This product has been blended with highest performance base oils 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.

### APPLICATION:

These heavy-duty engine oils are recommended for all types of diesel and gasoline engines where the manufacturer specifies the API service CH-4/SJ. They are especially suited for use in low temperature environments where extreme pumpability properties are required. These Oils are also suitable for on-road and off-road applications, including equipment that are exposed to extreme low temperature operations. This oil is suitable for use in moderate to high Sulphur content fuel.

### FEATURES & BENEFITS:

- Improved oxidation stability to minimize deposit formation.
- Higher TBN to extend protection from acids caused by combustion.
- Better protection against valve train wear.
- Improved low temperature performance.
- Potential fuel economy improvement compared to conventional CH-4 heavy duty engine oils.

### API LICENSE:

- SAE 15W-40



### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

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

### TYPICAL PERFORMANCE:

| PARAMETERS                         | ASTM   | UNIT     | TURBO X-PLUS ( MINERAL ) |                  |                  |                  |      |
|------------------------------------|--------|----------|--------------------------|------------------|------------------|------------------|------|
|                                    |        |          | 15W-40                   | 15W-50           | 20W-50           | 20W-60           | 40   |
| Grade                              |        |          | 15W-40                   | 15W-50           | 20W-50           | 20W-60           | 40   |
| Kinematic Viscosity @ 104°F /40°C  | D-7042 | cSt      | TBR                      | TBR              | TBR              | TBR              | TBR  |
| Kinematic Viscosity @ 212°F /100°C | D-7042 | cSt      | 15.3                     | 15.2             | 19.6             | 24.1             | 15.5 |
| Viscosity Index                    | D-2270 | -        | 141                      | 146              | 130              | 149              | 105  |
| Density @ 15°C/ 60°F               | D-4052 | g/cm3    | TBR                      | TBR              | TBR              | TBR              | TBR  |
| Flash Point (min)                  | D-92   | °C       | 236                      | 232              | 236              | 230              | 242  |
| Pour Point (max)                   | D-97   | °C       | -33                      | -33              | -24              | -24              | -15  |
| TBN                                | D-2896 | Mg KOH/g | 11                       | 11               | 11               | 11               | 11   |
| CCS, (°C)                          | D-5293 | m.Pa.S   | <7000<br>(-20°C)         | <7000<br>(-20°C) | <9500<br>(-15°C) | <9500<br>(-15°C) | -    |

### DISCLAIMER:

The test data mentioned above is not a definitive specification but serves as an indication and may fluctuate within acceptable production tolerances. Venom retains the right to alter this test data. Any updated information will replace previous versions, so please consult the latest Technical Data Sheet (TDS).

### HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil can lead to skin conditions. Please avoid contact. If you do come into contact with oil, wash the affected area immediately with soap and water. Do not dispose of used oil down drains or into the environment; instead, take it to an authorized used oil collection point.

### HEALTH & SAFETY:

This product is unlikely to pose significant health or safety risks when used properly in the recommended application and with good personal hygiene practices. For more information, please refer to the Safety Data Sheet (SDS), which is available upon request from your local sales office.

### PROTECT THE ENVIRONMENT:

Please take used oil to an authorized collection point and adhere to local regulations. Do not discharge it into drains, soil, or water.

### STORAGE:

We recommend storing all packages in a covered area. If outdoor storage is necessary, drums should be positioned horizontally to prevent water ingress and protect the markings. Products should never be stored above 60°C or exposed to direct sunlight or freezing temperatures.