



PREMIUM XTRA HIGH PERFORMANCE HEAVY DUTY DIESEL ENGINE OIL 15W40 API CJ4/CI4+/CI4/CF/SM XHPDO ISO TECH

DESCRIPTION

This oil is a high performance dedicated **Extra-High Performance heavy duty engine lubricant** designed for use in the latest high speed turbocharged diesel engines. It uses an exclusive additive formulation in conjunction with **ISO TECH** highly refined base oils to deliver longer life and enhanced protection relative to its predecessors.

The product has been reformulated for severe duty service in engines specifically designed to meet Euro 5 on-highway exhausted emission standards as being suitable for a wide range of heavy duty off-highway applications.

APPLICATION

- Mixed fleet oil
- All turbocharged diesel and naturally aspirated petrol engines

PERFORMANCE

Meets or exceeds:

- CUMMINS CES 20081
- API CJ-4/ CI-4+/CI4/CF/SM
- RENAULT RLD-3
- MACK EO-O/PREMIUM PLUS 07
- CATERPILLAR ECF-3
- MB 228.31
- VOLVO VDS-4
- ACEA E7
- DHD-1

ADVANTAGES

Saves on fleet maintenance cost: The detergency/dispersancy level is specifically balanced to provide both high temperature deposit control in a wide range of heavy duty and turbocharged diesel engines and low temperature sludge control in light-duty gasoline engines. Longer drain periods due to the **ISO TECH** base oil technology used preventing early oxidation.

TYPICAL PHYSICAL CHARACTERISTICS

| Property | Unit | SAE 15W40 CJ4 | Method |
|---------------------|------|---------------|------------|
| Kinematic Viscosity | | | |
| Viscosity 40°C | cSt | ±120 | ASTM D 445 |
| Viscosity 100°C | cSt | 12.5-16.3 | ASTM D 445 |

| Property | Unit | SAE 15W40 CI4/SL | Method |
|--------------------------|-------------|-------------------------|----------------|
| Viscosity Index (Min) | VI | 130 | ASTM D2270 |
| Total Base No.(MIN) | | 9 | ASTM D2896 |
| Sulphated Ash | m% | ≤ 2 | ASTM D874 |
| Density@ 20°C | | 0.888 | ASTM D4052 |
| Pour Point (Max) | °C | -21 | ASTM D93 |
| Flash Point (Min) | °C | 210 | ASTM D97 |
| HTHS Viscosity | cSt | ≥ 3.5 | CEC L-36-A-90* |
| Evaporation loss (NOACK) | % | ≤ 13 | CEC L-40-A-93* |

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