

RHINO SUPER TOPFLEET DIESEL ENGINE OIL 15W40 CI-4 E7

(Multigrade Heavy Duty Diesel Engine Oil)

DESCRIPTION

RHINO SUPER TOPFLEET DIESEL ENGINE OIL SAE 15W-40 API CI-4 are conventional multi-grade Heavy Duty Diesel Engine Oil formulated to provide excellent performance in heavy duty fleets, marine and industrial applications. The advanced product technology offers a medium extended drain formulation that helps maximize engine durability. This extra high performance has been proven in the field in a wide variety of industries, applications, and mixed fleets including passenger cars.

APPLICATIONS

RHINO SUPER TOPFLEET DIESEL ENGINE OIL SAE 15W-40 API CI-4 are recommended for use in all naturally aspirated and turbo-charged diesel engines fitted in trucks, tractors, buses, goods carriers (LCVs), 3-wheelers and gensets, on-highway light and heavy-duty trucking, off-highway industries including: construction, mining, quarrying, and agriculture & mixed fleet applications. Suitable for low-emission diesel engines with EGR (Euro II, III and some Euro IV).

PROPERTIES

RHINO SUPER TOPFLEET DIESEL ENGINE OIL SAE 15W-40 API CI-4 provides exclusive combinations of the latest high performance additives ensuring that the oil adapts and protects under the full range of pressures & temperatures found in modern engines - from the high temperature in the pistons, to the extreme loads found in the valve-trains. Extra active additives control & sweep away harmful soot & particles found in high performance engines.

PERFORMANCE FEATURES AND BENEFITS

- Deposit control and acid neutralization
- Start-up wear protection
- Cleaner engines and longer component life
- Improved soot handling
- TBN reserves
- Advanced detergency/dispersancy
- High thermal and oxidation stability
- Component compatibility
- Longer gasket and seal life
- Stay-in-grade shear stability
- Improved viscosity control and used oil pumpability
- Exceptional high temperature protection for hot running engines under heavy load
- Excellent low temperature properties

RECOMMENDATIONS / SPECIFICATIONS

International Standards: API CI-4, CI-4/SL, CH-4, CG-4, CF-4, ACEA A3/B4, E7, JASO DH-1, GLOBAL DHD-1

Meets or exceeds: DTFR 15B110 (MB-228.3), Volvo VDS-3, Mack OE-M+, MACK EO-L, MAN-M-3275-1, Detroit Diesel 93K215, MTU Type 2, MTU Type 1, CAT ECF-2, ECF-1a, Deutz DQC III-18, DEUTZ DQC-III-10, Cummins CES 20076, CES 20077, CES 20078, RENAULT RLD, RLD-2, ALLISON C4, CATERPILLAR TO-2, IVECO 18-1804 Classe T2 E7, MB 229.1

Meets quality requirements of most diesel engine manufacturers in the USA, Europe, Japan and Korea

TYPICAL TECHNICAL PROPERTIES

| | |
|---|-------------|
| Viscosity Grade, SAE J300 | 15W-40 |
| PRODUCTS CODE: | DEO-24098 |
| Density at 15°C, g/ml, ASTM D4052 | 0.887 |
| Cold Cranking Viscosity(CCS), mPa s, ASTM D5293 | 6600 @-20°C |
| Kinematic Viscosity at 40°C, mm²/s, ASTM D445 | 116.5 |
| Kinematic Viscosity at 100°C, mm²/s, ASTM D445 | 14.5 |
| Viscosity Index, ASTM D2270 | 127 |
| Flash Point(COC), °C, ASTM D92 | 230 |
| Pour Point, °C, ASTM D97 | -27 |
| Total Base Number (TBN), mg KOH/g, ASTM D2896 | 10.1 |
| Sulfated Ash, wt%, ASTM D 874 | 1.4 |

Note: These characteristics are typical of current production. While future production will conform to RHINO's specification, variations in these characteristics may occur.

R/PDS/AL/010b-0423536HT-INF0 3451/03*, 20.05.25, Page 1/1

* supersedes all previous versions

Packing : 700 ml ,800 ml , 1L , 2L, 3L, 4L, 5L, 6.5L, 7L, 8L,16L,18L, 20L, 25L, 200L, 205L, 208L, 210L