

RIDA Diesel Engine Oil API CI-4 Series

- Anti-wear protection
- Oxidation resistance
- Excellent cleaning power
- Long drain interval protection
- Lower Fuel Consumption

RIDA Diesel Engine Oil API CI-4 Series is a premium quality mineral based lubricating oils that is fully engineered for use in all types of diesel engines. It is blended in combination with the advance additive system that can provide the outmost wear protection and excellent thermo-oxidative stability. RIDA Diesel Engine Oil API CI-4 Series meets the specification of most leading car manufacturers and the latest industry standards for service fill use.

Designed to Perform

Oxidation Resistance – RIDA Diesel Engine Oil API CI-4 Series provides a good oxidation stability that reduced engine deposits and sludge build up, the advance anti-oxidant additive present slows down the oil degradation ensuring longer maintenance intervals.

Anti-wear, Anti-corrosion & Anti-rust Protection – Longer Equipment Life, proven anti-wear, anti-corrosion and anti-rust additive packages provide greater resistance and extend engine life and provides low maintenance costs. These properties of RIDA Diesel Engine Oil API CI-4 Series Oils prevent rust development by creating a thin film on the engine metal surfaces or any adjacent component of thus preventing the moisture absorption of its metal parts.

Antifoam – Increased Performance

Easy release of entrained air which will protects in over heating of the system and protects the oil surface area in further exposure to oxygen.

High Viscosity Index – Boost Energy Efficiency
high viscosity oil engineered to protect against metal-to-metal contact. It maintains the optimum viscosity and resist shearing on the longer run, and in a wide range of working temperature. Consequently, the reduced viscosity at lower temperatures improves the ability of a vehicle to start and helps to lower fuel

consumption.

Performance Characteristics

RIDA Diesel Engine Oil API CI-4 Series is a High output, low emission diesel engines significantly increase the demands on engine lubricants. Tighter engine designs reduce oil consumption, resulting in less fresh oil make-up to replenish depleted additives. Top piston fire rings are located higher on the piston bringing the oil film closer to the combustion chamber where higher temperatures increase thermal stress on the lubricant. Increased fuel injector pressure and retarded timing improve fuel burn efficiency, but also increase engine temperatures and increase soot loads. RIDA Lubricants API CI-4 Series, is formulated from high performance base oils and a superior balanced additive system to provide optimum engine performance in modern diesel and gasoline engines as well as older models

The advanced chemistry of this product provides outstanding performance in both modern, demanding low-emission diesel engines and older diesel engines operating on low or high sulphur fuel. RIDA Lubricants API CI-4 Series combines a blend of high performance base stocks with a progressive additive system to provide superior control of oil thickening due to soot build-up and high temperatures as well as outstanding resistance to oxidation, corrosion, and high temperature deposits.

Typical Physical Characteristics

| Property | Temp | Units | Test Methods | SAE 15W-40 |
|------------------------------------|----------|----------|--------------|-------------|
| Kinematic Viscosity | @ 100°C | cSt | ASTM D445 | 12.5 - 16.0 |
| Viscosity Index | | | ASTM D2270 | ≥ 140 |
| Density | @ 15 °C | kg/l | ASTM 4052 | 0.875 |
| Total Base Number | | mg KOH/g | ASTM 2896 | > 9.5 |
| Cold Cranking Simulation Viscosity | @ -20 °C | cP | ASTM D5293 | ≤ 7000 |
| | @ -15 °C | | | - |
| Flash Point (COC) | | °C | ASTM D92 | 220 - 240 |
| Pour Point | | °C | ASTM D97 | -33 |

These characteristics are typical of current product methods whilst future production will conform to RIDA Lubricants specifications, variations in these physical characteristics may occur.

Technical Data Sheet (TDS)



RIDA Diesel Engine Oil API CI-4 Series

Meets the requirements of the following specifications:

- API CI-4 / CH-4 / SJ
- CCMC D4/D5 G4/PD2
- ACEA A3-98, B3-98, E3 96 issue 3
- MIL-L-2104 E/46152E
- MAN M3275
- CAT 1-K, CAT 1-N
- MERCEDEC BENZ, MB 228.3
- MTU TYPE 2
- MACK EO-K/2
- CUMMINS CES 20071/2/6
- ZF TE-ML-07
- VOLVO LONG DRAIN VDS 2
- VW 501.01/505.00
- ALLISON C4

Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Material Safety Data Sheet (MSDS) which can be obtained from www.ridalubricants.com

Protect the Environment

- Take used oil to an authorized collection point. Do not discharge used or new oil into drains, soil or water.

Additional Information

- Technical advice on any applications not covered here may be obtained from your RIDA Lubricants Representative.
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