



ENDURO 1000 15W-40

Latest generation Premium Heavy-Duty Engine Oil

Product Overview

ENDURO 1000 is a unique, latest generation, premium heavy-duty 15W-40 engine oil that meets or exceeds the service requirements of virtually all diesel engine manufacturers – for both the latest high-performance emission compliant and older engines.

Formulated to meet the latest API CK-4/SN specifications, ENDURO 1000 provides the highest level of protection in severe on and off highway applications to modern, high performance diesel engines.

ENDURO 1000 is also backwards compatible with diesel engines in which the API CJ-4, CI-4, CI-4 Plus and CH-4 service categories are recommended.

Benefits

- Oxidation performance superior to conventional oil
- Excellent anti-wear and anti-scuff properties
- Extended drains beyond conventional oils
- Excellent sludge formation control
- Lower oil consumption
- Superior soot handling and TBN retention

Applications

- Recommended for all engines specifying API CK-4 and previous, including CJ-4, CI-4, CH-4, SN and SM as well as European and American OEMs: MACK, VOLVO, CATERPILLAR, CUMMINS, DETROIT DIESEL, DAIMLER, MAN, RENAULT and FORD
- Fitted for all engines equipped with features like four-valve heads, super-charging, turbocharging, direct injection, shorter piston crowns, higher power density, intercooling, full electronic management of fuel and emissions systems, exhaust selective catalytic reduction, exhaust recirculation, and exhaust particulate filters
- Formulated for exceptional performance with ultra-low sulfur diesel and low sulfur diesel fuels

Health and Safety

This lubricant is unlikely to produce any significant health or safety hazard when used in the application it has been designed for and according to the recommendations provided in the Material Safety Data Sheet. MSDS are available upon request through your sales advisor.

When disposing of used oil, please observe all current regulations and protect the environment.

ENDURO 1000 SAE 15W-40

Meets or exceeds the following industry Specifications

API CK-4/CJ-4/CI-4+/CI-4/CF/SN/SM	✓
ACEA E9-16, E7-16	✓
MB 228.31	✓
MAN M3275	✓
Volvo VDS-4.5	✓
MTU Type 2.1	✓
MACK EOS 4.5	✓
Renault Trucks RLD-4	✓
Cummins CES 20086	✓
CAT ECF-2, ECF-3	✓
DDC 93K222	✓
JASO DH-2	✓
Deutz DQC III-10 LA	✓
FORD 171-F1	✓

Typical properties **SAE 15W-40**

Test parameters	Method	
Viscosity @ 40 °C, cSt	ASTM D 445	112
Viscosity @ 100 °C, cSt	ASTM D 445	14.6
Viscosity Index	ASTM D 2270	134
Flash Point, °C	ASTM D 92	220
Pour Point, °C	ASTM D 97	-42
Density @ 15 °C, Kg/l	ASTM D 4052	0.88
TBN, mg KOH/g	ASTM D 2896	10

Above characteristics are mean values given as information. They do not constitute a specification.