



ITALUB HDDEO 10W-40

UHPDO lubricant for diesel engines with high performance

Product Description:

HDDEO 10W-40 is designed to provide a high level of protection for diesel and turbo diesel engines of modern commercial vehicles. It employs bases unconventional carefully selected additives and advanced high-performance technology. This allows to obtain a very high level of protection against the engine wear, a good fluidity at low temperatures, a volatility control and maintain the viscosity at high temperatures. It is recommended for use in European industrial vehicles with large-displacement turbocharged and naturally aspirated engines operating in severe conditions.

HDDEO 10W-40 it maintains its high performance characteristics for prolonged oil change intervals.

Features:

- Excellent protection throughout the interval period of oil change in the latest generation of European diesel engines with a consequent reduction in maintenance costs.
- The extension of the oil change interval, according to the manufacturers' recommendations, allows to reduce the operating costs of the means.
- The degree of SAE 10W-40 viscosity provides a good fluidity at low temperatures and allows rapid lubrication even under cold start conditions.

Specifications and Approval:

Exceeds requirements: **ACEA E4/E7, API CI-4/CF, MB 228.5, MAN M 3277, MTU Oil Category 3, Renault VI RXD/RLD-2, Volvo VDS-3, Mack EO-N**

Typical properties:

ITALUB HDDEO 10W-40

SAE Grade	10W-40
Viscosity ASTM D-445	
cSt @ 40°C	82 – 93
cSt @ 100°C	12,7 – 13,5
Viscosity Index, ASTM D-2270	5"##
Pour Point, °C, ASTM D-97	≤-30
Flash Point, °C, ASTM D-92	500#
Density @ 15°C, Kg/l, ASTM D-1298	≥0,870
Total Base Number, T.B.N., mgKOH/g, ASTM D-2896	14,8
Ash Sulfated, wt%, ASTM D-874	2,0

Health and Safety:

The data related to health, safety and environmental protection are provided in the material safety data sheets.

The above figures are those relating to normal manufacturing tolerances and do not constitute a specification.

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