



ITALUB HDDEO 15W-40 LL

SHPDO lubricant for diesel engines with high performance

Product Description:

HDDEO 15W-40 LL it is a high-performance mineral oil for DIESEL engines formulated with bases strictly selected and controlled, with high viscosity index which ensures even in the harshest conditions characteristics.

Suitable for a wide range of uses, an ideal product as a lubricant UNIVERSAL for mixed fleets of vehicles and machinery such as excavators, tractors, combine harvesters, wheel loaders and cranes.

Features:

- Excellent protection throughout the interval period of the change of oil in diesel engines with a consequent reduction in maintenance costs.
- High cleaning power that prevents deposits,
- Strong leakage prevention of sludge.
- Good anti-wear and anti-foam.
- Reduces wear to a minimum relative to soot and oil thickening.

Specifications and Approval:

Exceeds requirements: **ACEA E7/E9, MAN 3575, API CJ4/CI4, VOLVO VDS 4, MB 228.31, MTU Type 2.1, RVI RLD-3, CUMMINS CES 20072/6/7/8, CAT ECF-3/ECF-2/ECF-1a, DETROIT DIESEL DDC 93K218.**

Typical properties: ITALUB HDDEO 15W-40 LL

SAE Grade	15W-40
Viscosity ASTM D-445	
cSt @ 40°C	109 – 116
cSt @ 100°C	14,5 – 15,5
Viscosity Index, ASTM D-2270	9*:+
Pour Point, °C, ASTM D-97	-30
Flash Point, °C, ASTM D-92	97:.
Density @ 15°C, Kg/l, ASTM D-1298	≥0,875
Total Base Number, T.B.N., mgKOH/g, ASTM D-2896	10,8
Ash Sulfated, wt%, ASTM D-874	0,98

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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