



## **LUBLAN 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:            *LUBLAN 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	≥135
Pour Point, °C, ASTM D-97	-30
Flash Point, °C, ASTM D-92	≥230
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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