



## ***ITALUB HDDEO 20W-50 LL***

***SHPDO lubricant for diesel engines with high performance***

### **Product Description:**

**HDDEO 20W-50 LL** is superior quality, high performance diesel engine oil designed for the most severe performance requirements of highly powered turbocharged engines of leading Japanese, European and American Manufactures.

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:**

- Exceptional thermal stability at high temperature.
- Extremely high control over wear, rust and corrosion to ensure long life of moving parts.
- Longer maintenance intervals and oil change period.
- Excellent fluidity at low temperature ensures good starting.
- Excellent protection against oxidation, foaming, low temperature sludge and high temperature deposits.

### **Specifications and Approval:**

Exceeds requirements: **ACEA E3/E5/E7, API CH-4/CI-4/SL, VOLVO VDS 2/VDS 3, MB 228.3, MTU Type 2, Renault RD – RD2 Level, Mack EO-L, MAN M3275**

### **Typical properties:**

#### **ITALUB HDDEO 20W-50 LL**

SAE Grade	( <sup>+</sup> ,)
Viscosity ASTM D-445	
cSt @ 40°C	165 – 172
cSt @ 100°C	17,8 – 18,6
Viscosity Index, ASTM D-2270	83(,
Pour Point, °C, ASTM D-97	+3
Flash Point, °C, ASTM D-92	8(<
Density @ 15°C, Kg/l, ASTM D-1298	≥0,885

### **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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