

## Metal Giant 15W-40 UHPD

### Description

Stirlings Metal Giant 15W-40 UHPD. This Heavy Duty engine oil is formulated with unique low SAPS high performance additives in combination with special selected base oils. This multigrade engine oil fulfills the latest requirements of OEM's for use in high speed four stroke diesel engines of the latest models and has the following properties:

- meets or exceeds the requirement of the nowadays low emission standards
- an excellent cold start properties
- a very good shear stability
- an improved oxidation resistance
- a very strong dispersion, therefore the deposits and sludge are restricted to a minimum
- excellent properties against wear, corrosion and foam
- a lower oil consumption

### Application

This Heavy Duty engine oil is suitable for use in both on-road and off-highway applications. This engine oil contributes to low exhaust emission and particle levels, which highly benefits the lifetime of emission control systems. By meeting the requirements of OEM's in Europe and North America this product has a wide choice of application possibilities. This product can be applied in Euro 5 and Euro 6 engines with SCR exhaust gas system and in Euro 3 and Euro 4 engines when indicated by the manufacturer.

### Specifications

ACEA E7, E9, E11  
API CK-4 / SN  
Cat ECF-3  
Cummins CES 20086  
Detroit Diesel 93K222 / Deutz DQC III-18 LA  
DTFR 15C100  
Ford WSS M2C171-F1  
JASO DH-2  
Mack EOS-4.5  
MAN M 3775 / MTU Type 2.1 / MB 228.31  
Renault VI RLD-3  
Volvo VDS-4.5  
Allison TES-439

### Typicals

Density at 15 °C, kg/l	0,866
Viscosity -20 °C, mPa.s	3360
Viscosity 40 °C, mm <sup>2</sup> /s	94,00
Viscosity 100 °C, mm <sup>2</sup> /s	13,90
Viscosity Index	151
Flash Point COC, °C	226
Pour Point, °C	-42
Total Base Number, mgKOH/g	9,7
Sulphate Ash, %	0,99