

## Metal Giant 10W-30 UHPD

<u>Description</u>	Metal Giant 10W-30 UHPD. This fuel economy 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 - 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 fuel consumption
<u>Application</u>	This fuel economy 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. This product complies with and exceeds the requirements of API CJ-4. 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.
<u>Specifications</u>	ACEA E7, E9, E11 API CK-4 Mack EOS-4.5 Renault VI RLD-3 Volvo VDS-4.5 Cat ECF-3, Cummins CES 20086 Detroit Diesel 93K222 Deutz DQC III-18 LA, DTFR 15C100 Ford WSS M2C171-F1 MAN M 3775, MB 228.31 MTU Type 2.1

<u>Typicals</u>	Density at 15 °C, kg/l	0,871
	Viscosity -25 °C, mPa.s	6220
	Viscosity 40 °C, mm <sup>2</sup> /s	81,80
	Viscosity 100 °C, mm <sup>2</sup> /s	12,00
	Viscosity Index	143
	Flash Point COC, °C	230
	Pour Point, °C	-42
	Total Base Number, mgKOH/g	9,7
	Sulphate Ash, %	0,99