

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 , it has excellent cold start properties, very good shear stability

an improved oxidation resistance. Truck Top DS 5W40 has a very strong dispersion, therefore the deposits and sludge are restricted to a minimum

excellent properties against wear, corrosion and foam

## Performance

- ACEA E7 / E9
- MB 228.31
- Volvo VDS-4
- Renault VI RLD-3
- Detroit Diesel 93K218/93K215/93K214
- API CJ-4 / SM
- MAN M 3575
- Mack EO-O Premium Plus
- Cummins CES 20081
- Cat ECF-2 / ECF-3

## Applications

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 benefits highly to 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 engines with SCR exhaust gas system and in Euro 3 and Euro 4 engines when indicated by the manufacturer.

Characteristics	Unit	Average
Density at 15 °C	kg/l	0.856
Viscosity -20 °C	mPas	5740
Viscosity 40 °C	mm <sub>2</sub> /s	88.40
Viscosity 100 °C	mm <sub>2</sub> /s	13.90
Viscosity index		161
Flash point COC	°C	220
Pour point	°C	-36
Total Base Number	mgKOH/g	10.3

Sulphated Ash	%	0.95
---------------	---	------