



TECHNICAL DATA

GB UNIMOT® SYNTH HD 5W-40

APPLICATIONS

GB UNIMOT® SYNTH HD 5W-40 is a fully synthetic fuel-efficient heavy-duty diesel engine oil formulated using the highest quality synthetic base oils and enhanced additive systems, for use in heavy-duty diesel engines, in severe on and off-highway applications. Based on low SAPS technology (sulphated ash, phosphorus and sulphur), this premium engine oil may be used in both Euro V and Euro VI engines as well as Tier 4 non-road diesel engines where an oil of this quality is specified.

PERFORMANCE FEATURES

GB UNIMOT® SYNTH HD 5W-40 has been developed for use in heavy-duty diesel engines and offers the following features:

- Low SAPS technology, ensuring protection of the exhaust after-treatment system
- Outstanding engine protection, reducing wear and corrosion
- Effective control of soot, sludge and piston deposits
- Excellent oxidation and thermal stability
- Improved fuel economy
- Excellent low temperature and cold-start performance
- Extended drain capability

PERFORMANCE DETAILS

GB UNIMOT® SYNTH HD 5W-40 may be used where the following specifications are required:

API CJ-4/SM	CUMMINS CES 20081	DETROIT DIESEL 93K218
CATERPILLAR ECF-3/ECF-2	DAIMLER TRUCK DTFR 15C100 (MB 228.31)	MAN M3575

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CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS
SAE			5W-40
Appearance	-	-	Clear amber liquid
Kinematic Viscosity @ 100°C	cSt	ASTM D445	14.4
Kinematic Viscosity @ 40°C	cSt	ASTM D445	88.4
Viscosity Index	-	ASTM D2270	169
Density	kg/m ³	ASTM D4052	855
CCS @ -30°C	cP	ASTM D5293	5843
Sulphated Ash	% wt	ASTM D874	0.95
Flash Point (coc)	°C	ASTM D92	216
Pour Point	°C	ASTM D97	-45

STORAGE AND HANDLING

GB UNIMOT® SYNTH HD 5W-40 should be stored under cover to avoid water collecting in the rim of upturned barrels.

Further information on GB UNIMOT® SYNTH HD 5W-40 can be obtained by referring to the corresponding Safety Data Sheet.

The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations without prior notice.