



# TECHNICAL DATA

## GB INTERCOOLER LSC 10W-40

### APPLICATIONS

GB INTERCOOLER LSC 10W-40 is a heavy-duty diesel engine oil, formulated using advanced Group II base oil technology and enhanced additive systems, for use in heavy-duty diesel engines in severe on- and off-highway applications. It may be used in both Euro V and Euro VI engines as well as Tier 4/Stage 4 non-road diesel engines, where a low SAPS product of this quality is specified (sulphated ash, phosphorus and sulphur). Developed to maximise the life of the particulate trap filter, it is backwards compatible and therefore may also be used in older engines.

### PERFORMANCE FEATURES

GB INTERCOOLER LSC 10W-40 is a semi-synthetic heavy-duty diesel engine oil and offers the following features:


- Low SAPS technology, ensuring protection of the exhaust after-treatment system
- Excellent oxidation and thermal stability
- Excellent anti-wear protection
- Effective control of soot, sludge and piston deposits
- Rust and corrosion protection
- Extended drain capability

### PERFORMANCE DETAILS

The following Original Equipment Manufacturers' formal approvals have been obtained:

VOLVO VDS-4.5	MACK EOS-4.5	RENAULT VI RLD-3
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GB INTERCOOLER LSC 10W-40 may also be used where the following specifications are required:

	ACEA E11	DAIMLER TRUCK DTFR 15C100 (MB 228.31)	MTU Type 2.1
	API CK-4/SN	DETROIT DIESEL DFS 93K222	
	CATERPILLAR ECF-3	DEUTZ DQC III-18-LA	
	CUMMINS CES 20086	MAN M3775	

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## **GB LUBRICANTS**

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**CHARACTERISTICS**

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS
<b>SAE</b>			<b>10W-40</b>
Appearance	-	-	Clear amber liquid
Density @ 15°C	kg/m <sup>3</sup>	ASTM D4052	872
Kinematic Viscosity @ 40°C	cSt	ASTM D445	100.5
Kinematic Viscosity @ 100°C	cSt	ASTM D445	14.7
Viscosity Index	-	ASTM D2270	152
CCS @ -25°C	cP	ASTM D5293	6663
Pour Point	°C	ASTM D97	-36
Sulphated Ash	%wt	ASTM D874	1.0

**STORAGE AND HANDLING**

GB INTERCOOLER LSC 10W-40 should be stored under cover to avoid water collecting in the rim of upturned barrels.

Further information on GB INTERCOOLER LSC 10W-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.***