



# TECHNICAL DATA

## GB UNIMOT® SYNTH 5 5W-30

### APPLICATIONS

GB UNIMOT® SYNTH 5 5W-30 is a fully synthetic 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. Because of its lower viscosity, it is recognised as a fuel-efficient lubricant which also provides better cold starting and less wear on engines, start motors and batteries. Whilst meeting the requirements of both Euro IV and Euro V engines, it is not compatible with Diesel Particulate Trap Filters.

### PERFORMANCE FEATURES

GB UNIMOT® SYNTH 5 5W-30 has been developed for use in heavy-duty diesel engines as a fuel-efficient lubricant and offers the following features:

- Excellent anti-wear protection
- Rust and corrosion protection
- Effective control of soot, sludge and piston deposits
- Excellent oxidation and thermal stability
- Improved fuel economy
- Extended drain capability

### PERFORMANCE DETAILS

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

DAF HP-1/HP-2 MB - Approval 228.5 RENAULT VI RXD	SCANIA LDF VOLVO VDS-3
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GB UNIMOT® SYNTH 5 5W-30 may be used where the following specifications are required:

ACEA E4/E5/E7 API CH-4 CUMMINS CES 20071/72/76/77 DEUTZ DQC IV-05	MACK EO-M PLUS MAN M 3277 MTU Type 3
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## **GB LUBRICANTS**

Albany Road Gateshead NE8 3BP  
Tel: 0191 490 4312  
Fax: 0191 477 9544  
e-mail: gblsales@gb-lubricants-fuels.co.uk  
www.gb-lubricants-fuels.co.uk

A division of Goodall Bates & Todd Ltd



Q 06093  
ISO 9001



EMS 72776  
ISO 14001



OHS 88475  
OHSAS 18001

# GB LUBRICANTS

**CHARACTERISTICS**

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS
<b>SAE</b>			<b>5W-30</b>
Appearance	-	-	Clear amber liquid
Kinematic Viscosity @ 100°C	cSt	-	11.6
Kinematic Viscosity @ 40°C	cSt	-	66.8
Viscosity Index	-	-	169
Density	kg/m <sup>3</sup>	-	863
CCS @ -30°C	cP	-	5750
HTHS @ 150°C	mPa.s	-	3.43
Noack	%	-	7.4
KO AftVisc	cSt	-	11.44
KO % ShLoss	%	-	1.11
L38 AftVisc	cSt	-	11.34
L38 % ShLoss	%	-	1.98
Flash Point	°C	IP 34	202
Pour Point	°C	IP 15	-51

**STORAGE AND HANDLING**

GB UNIMOT® SYNTH 5 5W-30 should be stored under cover to avoid water collecting in the rim of upturned barrels.

**HEALTH, SAFETY AND THE ENVIRONMENT**

Further information on GB UNIMOT® SYNTH 5 5W-30 can be obtained by referring to the corresponding Material Safety Data Sheet.

For guidance on storage and handling of all lubricants and related products, GB Lubricants recommend the Environment Agency, [www.environment-agency.gov.uk](http://www.environment-agency.gov.uk), as an excellent source of advice.

If you have any queries, please do not hesitate to contact either your local Technical Sales Representative or our Technical Department.

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 and specifications, without prior notice.