



# TECHNICAL DATA

## GB UNIMOT® 3 15W-40

### APPLICATIONS

GB UNIMOT® 3 15W-40 is a heavy-duty diesel engine oil formulated using the highest quality virgin mineral base oils and enhanced additive systems for use in heavy-duty diesel engines in severe on- and off-highway applications. 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® 3 15W-40 has been developed for use in heavy-duty diesel engines 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
- Extended drain capability

### PERFORMANCE DETAILS

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

MB-Approval 228.3 MACK EO-N	RENAULT VI RLD-2 VOLVO VDS-3
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GB UNIMOT® 3 15W-40 may be used where the following specifications are required:

	ACEA A3/B3/B4/E3/E5/E7	GLOBAL DHD-1
	API CI-4/CH-4/CG-4/CF-4/CF/SJ/SL	MACK EO-M Plus
	ALLISON C-4	MAN M3275
	CATERPILLAR ECF-1a	MERCEDES BENZ p228.1
	CUMMINS CES 20071/72/76/77	MTU Type-2

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Integrated Management System  
PAS 99 BMR 560337  
ISO 9001  
ISO 14001  
OHSAS 18001

**CHARACTERISTICS**

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS
<b>SAE</b>			<b>15W-40</b>
Appearance	-	-	Clear amber liquid
Kinematic Viscosity @ 100°C	cSt	-	14.1
Kinematic Viscosity @ 40°C	cSt	-	104
Viscosity Index	-	-	138
Density	kg/m <sup>3</sup>	-	885
CCS @ -20°C	cP	-	6710
HTHS @ 150°C	mPa.s	-	3.96
Noack	%	-	11.7
KO AftVisc	cSt	-	13.31
KO % ShLoss	%	-	5.84
L38 AftVisc	cSt	-	13.62
L38 % ShLoss	%	-	3.59
Flash Point	°C	IP 34	211
Pour Point	°C	IP 15	-27

**STORAGE AND HANDLING**

GB UNIMOT® 3 15W-40 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® 3 15W-40 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.