



# TECHNICAL DATA

## GB UNIMOT® DS 10W-40

### APPLICATIONS

GB UNIMOT® DS 10W-40 is a semi-synthetic heavy-duty diesel engine oil formulated using the highest quality synthetic and virgin mineral base oils together with 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® DS 10W-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
- Improved fuel economy
- Extended drain capability

### PERFORMANCE DETAILS

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

RENAULT VI RLD-2

VOLVO VDS-3

GB UNIMOT® DS 10W-40 may be used where the following specifications are required:

ACEA A3/B3/B4/E3/E5/E7  
 API CI-4/SL  
 CATERPILLAR ECF-2  
 CUMMINS CES 20076/77/78  
 DEUTZ DQC III-05

GLOBAL DHD-1  
 MACK EO-M Plus  
 MAN M3275  
 MERCEDES BENZ p228.3/229.1  
 MTU Type-2

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## **GB LUBRICANTS**

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Q 06093  
ISO 9001



EMS 72776  
ISO 14001



OHS 88475  
OHSAS 18001

**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>	IP 160	872
Kinematic Viscosity @ 40°C	cSt	IP 71	93.7
Kinematic Viscosity @ 100°C	cSt	IP 71	14.06
Viscosity Index	-	IP 226	155
CCS @ -25°C	cP	ASTM D 5293	6697
HTHS Viscosity	cP	ASTM D 4683	4.04
Noack	%	CEC-L-40	12.0
Total Base Number	mgKOH/g	ASTM D 2896	10.4
Sulphated Ash	mass %	ASTM D 874	1.36
Flash Point	°C	IP 34	210

**STORAGE AND HANDLING**

GB UNIMOT® DS 10W-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® DS 10W-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.