



# TECHNICAL DATA

## GB UNIMOT® SYNTH 931 5W-30

### APPLICATIONS

GB UNIMOT® SYNTH 931 5W-30 is a fully synthetic passenger car oil formulated using the highest quality synthetic base oils and enhanced additive systems for use in both petrol and diesel engines. It has been specifically engineered for where a low SAPS product is required (sulphated ash, phosphorous and sulphur) and has been developed to maximise the life of the exhaust after-treatment systems. Because of its lower viscosity it is recognised as a fuel-efficient lubricant which also provides better cold starting and less wear on engines, starter motors and batteries.

### PERFORMANCE FEATURES

GB UNIMOT® SYNTH 931 5W-30 has been developed for use in passenger cars fitted with exhaust after-treatment systems and offers the following features:

- Mid SAPS technology, ensuring protection of exhaust after-treatment systems
- Improved engine wear protection
- Rust and corrosion protection
- Excellent piston deposit control
- Excellent oxidation stability
- Improved fuel economy
- Exceptional shear stability

### PERFORMANCE DETAILS

GB UNIMOT® SYNTH 931 5W-30 may be used where the following specifications are required:

	ACEA A3/B4-04, C3-10 API SN/SM/CF BMW LL-04	GM DEXOS 2 MERCEDES BENZ p229.31 VW 502 505 00
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Integrated Management System  
PAS 99 IABR 560337  
ISO 9001  
ISO 14001  
OHSAS 18001

**CHARACTERISTICS**

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS
<b>SAE</b>			<b>5W-30</b>
Appearance	-	-	Clear amber liquid
Density	kg/m <sup>3</sup>	ASTM D1298	848
Kinematic Viscosity @ 100°C	cSt	ASTM D445	12.4
Kinematic Viscosity @ 40°C	cSt	ASTM D445	74.7
Viscosity Index	-	ASTM D2270	164
CCS @ -30°C	cP	ASTM D5293	6430
HTHS @ 150°C	mPa.s	ASTM D4683	3.5
Noack	%	ASTM D5800	8.0
MRV @ -35°C	cP	ASTM D4684	30,100
Phosphorus	mass %	ASTM D4951	0.08
Sulphur	mass %	ASTM D5185	0.2
Chlorine	ppm	-	17
Sulphated Ash	mass %	-	0.8
Pour Point	°C	ASTM D97	-36
Flash Point	°C	ASTM D93	204
TBN	mg KOH/g	ASTM D2896	7.6

**STORAGE AND HANDLING**

GB UNIMOT® SYNTH 931 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 931 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