



# TECHNICAL DATA

## GB UNIMOT® SYNTH 9 FE 5W-20

### APPLICATIONS

GB UNIMOT® SYNTH 9 FE 5W-20 is a synthetic technology, fuel-efficient heavy duty diesel engine oil. Incorporating advanced additive systems, this product provides outstanding protection when operating in severe on-highway conditions with extended drain intervals. Based on low SAPS technology (sulphated ash, phosphorus and sulphur), this premium engine oil maximises the life of diesel particulate filters (DPF) and other exhaust after-treatment systems such as SCR-Adblue, EGR, CRT. GB UNIMOT® SYNTH 9 FE 5W-20 has been specially developed for Euro VI Scania applications where LDF-5 is required, as well as certain D26 and D38 engines in MAN Euro 6d & 6e trucks and buses.

### PERFORMANCE FEATURES

GB UNIMOT® SYNTH 9 FE 5W-20 has been designed for use in Euro VI diesel engines capable of using a low viscosity fuel efficient lubricant and offers the following features:

- Low SAPS technology, ensuring protection of the exhaust after-treatment system
- Outstanding engine protection, combatting wear and corrosion
- Effective control of soot, sludge and piston deposits
- Excellent oxidation and thermal stability
- Superior fuel economy and CO<sub>2</sub> reduction
- Excellent low temperature and cold-start performance
- Extended drain capability

### PERFORMANCE DETAILS

The following Original Equipment Manufacturer's formal verification has been obtained:

SCANIA LDF-5

GB UNIMOT® SYNTH 9 FE 5W-20 may also be used where the following specification is required:

MAN M3977

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## **GB LUBRICANTS**

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**CHARACTERISTICS**

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS
<b>SAE</b>			<b>5W-20</b>
Appearance	-	-	Clear amber liquid
Kinematic Viscosity @ 100°C	cSt	ASTM D445	7.8
Kinematic Viscosity @ 40°C	cSt	ASTM D445	44.6
Viscosity Index	-	ASTM D2270	146
Density	kg/m <sup>3</sup>	ASTM D4052	854
TBN	mgKOH/g	ASTM D4739	10
Pour Point	°C	ASTM D97	-39
Flash Point (PMCC)	°C	ASTM D93	220

**STORAGE AND HANDLING**

GB UNIMOT® SYNTH 9 FE 5W-20 should be stored under cover to avoid water collecting in the rim of upturned barrels.

Further information on GB UNIMOT® SYNTH 9 FE 5W-20 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.***