



# TECHNICAL DATA

## GB DEFIANCE MONOGRADE RANGE

### APPLICATIONS

The GB DEFIANCE MONOGRADE RANGE has been formulated using the highest quality virgin mineral base oils and multifunctional additives for use in both on- and off-highway applications under moderate operating conditions. This range can be used in certain hydraulic systems, gearboxes and compressors, where grades of this type and performance level are recommended by the Original Equipment Manufacturers.

### PERFORMANCE FEATURES

The GB DEFIANCE MONOGRADE RANGE has been developed for use in both on- and off-highway applications under moderate operating conditions 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

### PERFORMANCE DETAILS

The GB DEFIANCE MONOGRADE RANGE may be used where the following specifications are required:

API CF/SF	Caterpillar TO-2
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## **GB LUBRICANTS**

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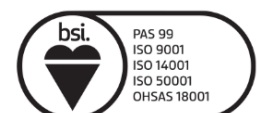
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# GB LUBRICANTS

## GB DEFIANCE MONOGRADE RANGE

### CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS	
<b>SAE</b>			<b>10W</b>	<b>20W</b>
Appearance	-	-	Clear amber liquid	Clear amber liquid
Density	kg/m <sup>3</sup>	ASTM D4052	863	881
Kinematic Viscosity @ 40°C	cSt	ASTM D445	30.7	53.9
Kinematic Viscosity @ 100°C	cSt	ASTM D445	5.4	7.7
Viscosity Index	-	ASTM D2270	110	108
Pour Point	°C	ASTM D97	-33	-30

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS		
<b>SAE</b>			<b>30</b>	<b>40</b>	<b>50</b>
Appearance	-	-	Clear amber liquid	Clear amber liquid	Clear amber liquid
Density	kg/m <sup>3</sup>	ASTM D4052	888	892	896
Kinematic Viscosity @ 40°C	cSt	ASTM D445	85.6	137.7	194
Kinematic Viscosity @ 100°C	cSt	ASTM D445	10.2	14.4	17.6
Viscosity Index	-	ASTM D2270	100	103	98
Pour Point	°C	ASTM D97	-27	-24	-21

### STORAGE AND HANDLING

The GB DEFIANCE MONOGRADE RANGE should be stored under cover to avoid water collecting in the rim of upturned barrels.

Further information on the GB DEFIANCE MONOGRADE RANGE 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.***

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