



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 also be used in certain hydraulic systems, gearboxes and compressors, when 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/CD/SF/SG	MERCEDES BENZ p227.0
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GB LUBRICANTS

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Q 06093
ISO 9001



EMS 72776
ISO 14001



OHS 88475
OHSAS 18001

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CHARACTERISTICS

TEST	TYPICAL PHYSICAL CHARACTERISTICS					UNIT	METHOD
	10W	20W-20	30	40	50		
SAE Appearance	Clear amber liquid	Clear amber liquid	Clear amber liquid	Clear amber liquid	Clear amber liquid	-	-
Kinematic Viscosity @ 100°C	5.5	7.7	9.4	13.2	17.0	cSt	-
Kinematic Viscosity @ 40°C	30.7	53.9	73.6	127.7	186	cSt	-
Viscosity Index	116	108	103	96	97	-	-
Density	870	879	879	879	900	kg/m ³	-
CCS @ -25°C	4190	-	-	-	-	cP	-
CCS @ -15°C	-	3990	-	-	-	cP	-
HTHS @ 150°C	1.94	2.57	3.00	3.88	4.67	mPa.s	-
Noack	19.7	10.9	8.5	4.3	3.0	%	-
KO AftVisc	5.49	7.73	9.36	13.15	17.00	cSt	-
KO % ShLoss	0.00	0.00	0.00	0.00	0.00	%	-
L38 AftVisc	5.60	7.79	9.37	13.00	16.64	cSt	-
L38 % ShLoss	-2.11	-0.82	-0.10	1.16	2.09	%	-
Flash Point	198	206	203	210	217	°C	IP 34
Pour Point	-33	-30	-30	-24	-18	°C	IP 15

STORAGE AND HANDLING

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

HEALTH, SAFETY AND THE ENVIRONMENT

Further information on the GB DEFIANCE MONOGRADE RANGE 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, 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.