



TECHNICAL DATA

GB UNIPOWER® HFO RANGE

APPLICATIONS

The GB UNIPOWER® HFO RANGE of hydraulic oils has been developed using the highest quality mineral virgin base oils and advanced additive systems, for use in most industrial hydraulic systems requiring an anti-wear lubricant with enhanced levels of oil cleanliness. The GB UNIPOWER® HFO RANGE enables the service life of fluid and equipment to be considerably extended.

PERFORMANCE FEATURES

The enhanced level of oil cleanliness provided by the GB UNIPOWER® HFO RANGE significantly reduces the level of abrasive contaminants which can cause component wear and tear within the hydraulic system.

Component wear will result in a gradual deterioration in the system efficiency, reduce the system life and increase servicing, component replacement and operational downtime.

The GB UNIPOWER® HFO RANGE has been formulated to provide a superior performance in filterability, pump-wear protection and oxidation stability, and offers the following features:

- Enhanced cleanliness level
- Anti-wear performance
- Oxidation stability
- Corrosion protection
- Thermal stability
- Demulsification performance
- Air release performance
- Low foaming
- Filterability performance
- Seal compatibility

CLEANLINESS STANDARD

The GB UNIPOWER® HFO RANGE is filtered to a cleanliness standard of 15/13/10, according to the ISO 4406 Cleanliness Code.

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GB UNIPOWER® HFO RANGE

PERFORMANCE DETAILS

The GB UNIPOWER® HFO RANGE may be used where the following specifications are required:

AIST 126/127	GM LS-2
ASTM D6158	ISO 11158
Bosch Rexroth RDE 90235	Parker (Denison) HF-0, HF-1, HF-2
DIN 51524 part 2 HLP, HM	SAE MS 1004
Eaton E-FDGN-TB002-E	SEB 181222
Fives (Cincinnati Machine) P68, P69, P70	

CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS		
			32	46	68
ISO					
Appearance	-	-	Clear & bright	Clear & bright	Clear & bright
Density @ 15°C	kg/m ³	ASTM D4052	863	869	872
Kinematic Viscosity @ 40°C	cSt	ASTM D445	32.9	46.1	68.7
Kinematic Viscosity @ 100°C	cSt	ASTM D445	5.6	6.9	8.9
Viscosity Index	-	ASTM D2270	106	105	101
Pour Point	°C	ASTM D97	-30	-30	-27
Flash Point (PMCC)	°C	ASTM D93	206	212	220

STORAGE AND HANDLING

The GB UNIPOWER® HFO RANGE should be stored under cover to avoid water collecting in the rim of upturned barrels.

Further information on the GB UNIPOWER® HFO 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.