



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 the abrasive contaminants within “standard” hydraulic oils, which 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 to exceed the current requirements of today's hydraulic equipment, by offering 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. The solid contaminant particles are calculated by International Standard ISO Code 4406 Hydraulic Fluid Power – Solid Contamination Code and the National Aeronautical Standard NAS 1635.

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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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PERFORMANCE DETAILS

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

DIN 51524 part 2 HLP, HM	VICKERS M-2950-S, I-286-S
DENISON HF-1, HF-2	CINCINNATI MILACRON P-68, P-69, P-70
AFNOR N FE 48-603	US STEEL 127, 136

CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS		
			32	46	68
ISO			32	46	68
Appearance	-	-	Yellow	Yellow	Yellow
Density @ 15°C	kg/m ³	IP 160	870	875	880
Kinematic Viscosity @ 40°C	cSt	IP 71	32.9	46.1	68.7
Kinematic Viscosity @ 100°C	cSt	IP 71	5.6	6.9	8.9
Viscosity Index	-	IP 226	106	105	101
Pour Point	°C	IP 15	-30	-25	-25
Flash Point	°C	IP 34	198	208	212

STORAGE AND HANDLING

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

HEALTH AND SAFETY AND THE ENVIRONMENT

The GB UNIPOWER® HFO RANGE is not classified as hazardous under current UK Health & Safety and Environmental Legislation when used in the application for which it is intended.

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.