



TECHNICAL DATA

GB UNIPOWER® S RANGE

APPLICATIONS

The GB UNIPOWER® S RANGE of ashless hydraulic oils has been developed using the highest quality virgin mineral base oils and advanced additive systems, for use in modern hydraulic systems requiring a zinc-free anti-wear lubricant.

PERFORMANCE FEATURES

The GB UNIPOWER® S RANGE has been formulated to meet the requirements of both industrial and off-highway hydraulic systems and offers the following features:

- Ashless technology
- Excellent anti-wear performance
- Good oxidation and thermal stability
- Corrosion protection
- Excellent demulsification performance
- Rapid air release performance
- Low foaming
- Improved filterability

MATERIAL COMPATIBILITY

The GB UNIPOWER® S RANGE does not contain any zinc and is ideal for use where silver components are involved.

PERFORMANCE DETAILS

At the relevant viscosity grades the GB UNIPOWER® S RANGE may be used where the following specifications are required:

AFNOR NF E 48-603	DENISON HF-0, HF-1, HF-2	GM LS-2
BOSCH REXROTH RE 90220	DIN 51524 PART 2 HLP	ISO 11158 (HM)
CINCINNATI MILACRON P-68, P-69, P-70	EATON M-2950-S, I-286-S	SAE MS1004

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Integrated Management System
PAS 99 IIR 560337
ISO 9001
ISO 14001
OHSAS 18001

GB LUBRICANTS

CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS		
			10	15	22
ISO					
Appearance	-	-	Pale yellow liquid	Pale yellow liquid	Pale yellow liquid
Density @ 15°C	kg/m ³	IP 160	838	847	852
Kinematic Viscosity @ 40°C	cSt	IP 71	10.0	14.7	22.1
Kinematic Viscosity @ 100°C	cSt	IP 71	2.7	3.4	4.4
Viscosity Index	-	IP 226	100	100	100
Flash Point (PMCC)	°C	IP 34	160	170	190

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS			
			32	46	68	100
ISO						
Appearance	-	-	Yellow liquid	Yellow liquid	Yellow liquid	Yellow liquid
Density @ 15°C	kg/m ³	IP 160	870	876	881	887
Kinematic Viscosity @ 40°C	cSt	IP 71	32.0	44.9	66.8	97.6
Kinematic Viscosity @ 100°C	cSt	IP 71	5.4	6.7	8.5	11.1
Viscosity Index	-	IP 226	102	102	97	99
Flash Point (PMCC)	°C	IP 34	200	200	206	210

STORAGE AND HANDLING

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

Further information on the GB UNIPOWER® S 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.