



TECHNICAL DATA

GB UNIPOWER® H RANGE

APPLICATIONS

The GB UNIPOWER® H RANGE of hydraulic oils has been developed using the highest quality virgin mineral base oils and advanced additive systems, for use in most industrial hydraulic systems requiring an anti-wear lubricant.

PERFORMANCE FEATURES

The GB UNIPOWER® H RANGE is classified as ISO 6743-4 HM and offers the following features:

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

PERFORMANCE DETAILS

At the relevant viscosities, the GB UNIPOWER® H RANGE may be used where the following specifications are required:

AIST 126/127	Eaton E-FDGN-TB002-E	JCMAS P041 HK
ASTM D6158	Fives (Cincinnati Machine) P68, P69, P70	Parker (Denison) HF-0, HF-1, HF-2
Bosch Rexroth RDE 90235	GM LS-2	SAE MS 1004
DIN 51524 part 2 HLP (HM)	ISO 11158	SEB 181222

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GB LUBRICANTS

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CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS				
			5	10	15	22	32
ISO							
Appearance	-	-	Clear & bright	Clear & bright	Clear & bright	Clear & bright	Clear & bright
Density @ 15°C	kg/m ³	ASTM D4052	817	836	845	852	863
Kinematic Viscosity @ 40°C	cSt	ASTM D445	5	10	14.6	21.1	32.9
Kinematic Viscosity @ 100°C	cSt	ASTM D445	-	2.7	3.4	4.3	5.6
Viscosity Index	-	ASTM D2270	-	107	108	106	106
Pour Point	°C	ASTM D97	-33	-33	-33	-33	-30
Flash Point (PMCC)	°C	ASTM D93	140	160	168	180	206

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS				
			46	68	100	150	220
ISO							
Appearance	-	-	Clear & bright	Clear & bright	Clear & bright	Clear & bright amber	Clear & bright amber
Density @ 15°C	kg/m ³	ASTM D4052	869	872	875	884	889
Kinematic Viscosity @ 40°C	cSt	ASTM D445	46.1	68.7	102.7	151.8	208.6
Kinematic Viscosity @ 100°C	cSt	ASTM D445	6.9	8.9	11.4	14.8	19.2
Viscosity Index	-	ASTM D2270	105	101	102	98	102
Pour Point	°C	ASTM D97	-30	-27	-21	-18	-15
Flash Point (PMCC)	°C	ASTM D93	212	220	220	220	220

STORAGE AND HANDLING

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

Further information on the GB UNIPOWER® H 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.