



TECHNICAL DATA

GB UNIPOWER® S HVI RANGE

APPLICATIONS

The GB UNIPOWER® S HVI RANGE of 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 with a high viscosity index. This range is particularly suitable for applications where wide fluctuations of temperature apply.

PERFORMANCE FEATURES

The GB UNIPOWER® S HVI RANGE has been formulated for use in both industrial and off-highway hydraulic systems where extreme operating conditions are encountered, and offers the following features:

- Ashless technology
- High viscosity index
- Superior anti-wear performance
- Excellent thermal and oxidative stability
- Corrosion protection
- Demulsification performance
- Air release performance
- Low foaming
- Improved filterability
- Extended equipment life

MATERIAL COMPATIBILITY

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

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GB LUBRICANTS

GB UNIPOWER® S HVI RANGE

PERFORMANCE DETAILS

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

AFNOR NF E 48-603	DENISON HF-0, HF-1, HF-2	ISO 11158 (HV)
ASTM D6158	DIN 51524 PART 3 HVLP	SAE MS1004
BOSCH REXROTH RE 90220	EATON M-2950-S, I-286-S	
CINCINNATI MILACRON P-68, P-69, P-70	GM LS-2	

CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS			
			15	32	46	68
ISO	-	-	15	32	46	68
Appearance	-	-	Pale yellow liquid	Pale yellow liquid	Pale yellow liquid	Yellow liquid
Density @ 15°C	kg/m ³	ASTM D4052	843	856	866	877
Kinematic Viscosity @ 40°C	cSt	ASTM D445	15.8	32.0	47.3	68.6
Kinematic Viscosity @ 100°C	cSt	ASTM D445	4.1	6.5	8.7	11.0
Viscosity Index	-	ASTM D2270	171	162	164	152
Pour Point	°C	ASTM D97	-42	-39	-42	-27

STORAGE AND HANDLING

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

Further information on the GB UNIPOWER® S HVI 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.