



TECHNICAL DATA

GB UNIPOWER® HVI RANGE

APPLICATIONS

The GB UNIPOWER® HVI RANGE of hydraulic oils has been developed using the highest quality mineral virgin base oils and advanced additive systems, for use in most industrial and off-highway hydraulic systems requiring an anti-wear lubricant with a high viscosity index. Particularly suitable for applications involving extremes of operating conditions and wide fluctuations of temperature.

PERFORMANCE FEATURES

The GB UNIPOWER® HVI RANGE has been formulated to meet the current requirements of today's hydraulic equipment and offers the following features:

- High viscosity index
- Enhanced anti-wear performance
- Enhanced oxidation stability
- Corrosion protection
- Enhanced thermal stability
- Demulsification performance
- Air release performance
- Low foaming
- Excellent filterability
- Seal compatibility
- Extended equipment life

PERFORMANCE DETAILS

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

AIST 126/127
 ASTM D6158
 Bosch Rexroth RDE 90235
 DIN 51524 PART 3 HVLP
 Eaton E-FDGN-TB002-E
 Fives (Cincinnati Machine) P68, P69, P70
 GB 11118.1-2011
 GM LS-2

ISO 11158
 ISO 6743-4 HV
 JCMAS P041 HK
 Parker (Denison) HF-0, HF-1, HF-2
 SAE MS 1004
 SEB 181222
 VICKERS M-2950-S, I-286-S

Cont'd.../...

GB LUBRICANTS

Albany Road Gateshead NE8 3BP

Tel: 0191 490 4312
 Fax: 0191 477 9544
 e-mail: gblsales@gblubricants.co.uk
 www.gblubricants.co.uk

Trading Name of Goodall Bates & Todd Ltd



CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS					
			15	22	32	46	68	
ISO								
Appearance	-	-	Clear pale fluid	Clear pale fluid	Clear pale fluid	Clear pale fluid	Clear pale fluid	Clear pale fluid
Density @ 15°C	kg/m ³	ASTM D4052	841	847	855	867	869	
Kinematic Viscosity @ 40°C	cSt	ASTM D445	15.2	21.4	32.2	47.1	66.3	
Kinematic Viscosity @ 100°C	cSt	ASTM D445	4.0	5.0	6.7	8.6	11.1	
Viscosity Index	-	ASTM D2270	173	171	172	162	160	
Pour Point	°C	ASTM D97	-45	-42	-39	-39	-30	
Flash Point (PMCC)	°C	ASTM D93	164	180	200	204	204	

STORAGE AND HANDLING

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

Further information on the GB UNIPOWER® 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.