

TECHNICAL DATA SHEET



Product code: see table below **Sector:** Industrial **Issue No:** 4 **Issue Date:** 02/03/22

MILLMAX HV RANGE

The Millmax HV hydraulic oil range offers reliable protection against corrosion and wear for systems subject to temperature variations e.g. outdoor equipment, allowing maximised power transfer for efficiency in industrial applications.

Application

Use as received in hydraulic and fluid power systems where a high viscosity index is required.

Viscosity (cSt)	Applications
15	Hydraulic brake systems and power steering.
22	Mobile equipment and some airline lubrication applications.
32	Hydraulic cylinders, systems with close clearance servo valves.
46	High pressure systems.
68	Systems requiring load-carrying capability.

Features & Benefits

- High viscosity index ensures consistent performance across a wide temperature range.
- Incompressibility provides effective power transfer in hydraulic systems.
- Zinc-based anti-wear properties protect equipment for longer component life.
- Good thermal and oxidation stability for extended cleanliness.
- Low foaming formulation minimises aeration and cavitation for consistent power transfer.
- Good compatibility with elastomers and seals for longer seal life and reduced maintenance.

Performance Profile

- DIN 51524 part II & part III
- Parker (Denison) HF-0, HF-1 & HF-2
- Eaton M-2950-S (35VQ25 pump test)
- ISO 20763 Conestoga vane pump test
- ISO 11158 categories HH, HL, HM & HV
- ASTM D6158
- SAE MS1004
- Vickers I-286-S3 (Industrial equipment)
- Cincinnati Machine P-68, P-69 & P-70
- Bosch Rexroth 90220



MADE IN BRITAIN

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- JCMAS P041 HK Hydraulic Specification
- ANSI/AGMA 9005-E02-RO
- GM LS-2
- AIST 126 (US Steel), AIST 127 (US Steel)
- SEB 181222

Typical Characteristics

Millmax HV	15	22	32	46	68
Density @ 15°C, g/ml	0.853	0.862	0.860	0.855	0.868
Kinematic Viscosity @ 100°C, cSt	4.2	5.4	6.6	8.2	11.1
Kinematic Viscosity @ 40°C, cSt	15	22	32	46	68
Viscosity Index	204	197	168	153	152
Pour Point, °C	-33	-36	-36	-36	-36
Flash Point, °C	>140	>160	>180	>200	>210
Health & Safety/Product Code	5232	5247	5160	5228	5239



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