

# TECHNICAL DATA SHEET



**Product code:** see table below    **Sector:** Industrial    **Issue No:** 3    **Issue Date:** 02/03/22

## MILLMAX RANGE

The Millmax hydraulic oil range offers reliable protection against corrosion and wear, whilst maximising power transfer for efficiency in industrial applications.

### Application

Use as received in hydraulic systems where anti-wear type mineral oil is required.

ISO Viscosity	Applications
2, 5, 10	High speed spindles and airline lubrication.
15	Hydraulic brake systems and power steering.
22	Mobile equipment and some airline lubrication applications.
32, 37	High powered machine tools (CNCs), hydraulic cylinders, systems with close clearance servo valves.
46	Injection moulding, high pressure systems.
68	Systems requiring load-carrying capability.
100	Heavy loaded industrial machines, systems containing gears and bearings.

### Features & Benefits

- 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 2. Exceeds DIN 51517 performance requirements.
- Parker (Denison) HF-0, HF-1 & HF-2
- Eaton M-2950-S (35VQ25 pump test)
- ISO 11158 categories HH, HL & HM, ISO 20763 Conestoga vane pump test
- Vickers I-286-S3 (Industrial equipment)
- Cincinnati Machine P-68, P-69 & P-70
- Bosch Rexroth 90220
- JCMAS P041 HK Hydraulic Specification
- ANSI/AGMA 9005-E02-RO
- GM LS-2
- AIST 126 (US Steel), AIST 127 (US Steel)
- SEB 181222



**MADE IN BRITAIN**

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## Typical Characteristics

Millmax	2	5	10	15	22	32
Density @ 15°C, g/ml	0.818	0.840	0.855	0.860	0.865	0.873
Kinematic viscosity @ 100°C, cSt	n/a	n/a	2.5	3.4	4.3	5.2
Kinematic viscosity @ 40°C, cSt	2.2	4.5	10	15	22	32
Viscosity Index	n/a	n/a	n/a	98	100	99
Pour point, °C	n/a	n/a	-30	-15	-15	-15
Flash point, °C	>70	>100	>140	>170	>200	>210
Part code	5187	5141	5021	5025	5028	5037

  

Millmax	37	46	68	100
Density @ 15°C, g/ml	0.875	0.876	0.880	0.885
Kinematic viscosity @ 100°C, cSt	6.0	6.8	8.9	11.2
Kinematic viscosity @ 40°C, cSt	37	46	68	100
Viscosity Index	100	100	104	97
Pour point, °C	-27	-27	-18	-18
Flash point, °C	>220	>230	>240	>245
Part code	5042	5155	5047	5144

## Technical & Health and Safety

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For H&S info or SDS, please visit our website [www.millersoils.co.uk](http://www.millersoils.co.uk)



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