

TECHNICAL DATA SHEET



Product code: 8397

Sector: Industrial

Issue No: 1

Issue Date: 17/03/22

Millmax SYN 46

Millmax SYN 46 synthetic hydraulic oil offers excellent protection against corrosion and wear in systems subject to temperature variations e.g. outdoor equipment with high operating temperatures, allowing maximised power transfer for efficiency in industrial applications.

Application

Ideal for use in high pressure vane, piston and gear pumps, and hydraulic systems where cold start-up and/or very high operating temperatures are typical, such as outdoor equipment in chemical and power plants, as well as marine and offshore applications. Recommended for use in critical applications where extended services intervals are required and there is minimal tolerance for down-time.

Features & Benefits

- Very high viscosity index ensures consistent performance across a wide temperature range.
- Incompressibility provides effective power transfer in hydraulic systems.
- Anti-wear properties protect equipment for longer component life.
- Excellent thermal and oxidation stability for extended oil cleanliness and service life.
- Low foaming formulation minimises aeration and cavitation for consistent power transfer.
- Zinc-free, ash-less formulation gives good protection of silver and yellow metal components, as well as reduced environmental impact.
- Good compatibility with elastomers and seals for longer seal life and reduced maintenance.

Performance Profile

- DIN 51524 Part 2 & 3 (HLP)
- AFNOR NF E48-603 (HM)
- Thyssen TH N-256132
- VDMA 24318
- CETOP RP 91 H (HM)
- Sperry Vickers I-286-S
- Denison Filterability TP 02100
- AIST 126 (US Steel), AIST 127 (US Steel)
- SIS SS 155434
- Hoesch HWN 2333



MADE IN BRITAIN

Millers Oils Ltd
Brighouse West Yorkshire HD6 3DP UK
Tel: +44(0) 1484 713201
www.millersoils.co.uk

TECHNICAL DATA SHEET



Typical Characteristics

Millmax SYN	46
Density @ 15°C, g/ml	0.850
Kinematic Viscosity @ 100°C, cSt	8.9
Kinematic Viscosity @ 40°C, cSt	47
Viscosity Index	170
Pour Point, °C	-42
Flashpoint, °C	>235
Part code	8397

Technical & Health and Safety

T: 01484 475060

E: technical@millersoils.co.uk

For H&S info or SDS, please visit our website www.millersoils.co.uk



MADE IN BRITAIN

Millers Oils Ltd
Brighouse West Yorkshire HD6 3DP UK
Tel: +44(0) 1484 713201
www.millersoils.co.uk