

TECHNICAL DATA SHEET

HOUGHTO-DRIVE® HM Hydraulic Oils

HOUGHTO-DRIVE® HM Hydraulic & Lubricating Oils incorporate safe and effective additives in high quality solvent refined base oils.

Designed for the arduous requirements of high performance hydraulic systems, they are also suitable for machine tool lubrication, allowing product rationalisation.

HOUGHTO-DRIVE® HM products also meet or exceed the requirements of the following main tests for this fluid category:

- Copper corrosion resistance (ASTM D130)
- Rust Test (ASTM D665A)
- Demulsibility (ASTM D1401-96)
- Foam Test (ASTM D892 I, II, III)

Applications

Hydraulic systems requiring maximum antiwear protection.
High-speed machine tool spindles and gearboxes.

Recommendation for Use

Use as supplied, without dilution.

Additional Product Data

- ISO6743-6 HM
- DIN 51524 part 2 and 3 (HLP)
- Vickers M 2950-S
- US Steel 127,136
- Cincinnati Machine P-68, P-69, P-70

Benefits

- Longer plant / equipment life, with fewer failures
- Lower spend on maintenance and repairs
- Increased plant availability
- Reduced energy consumption
- Increased productivity
- Multifunctionality aids inventory management

Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Typical Physical Properties

HOUGHTO-DRIVE® HM	3	5	10	22	32	46	68	100	150*	220*
Specific Gravity @ 15.5°C	0.83	0.83	0.85	0.87	0.87	0.88	0.88	0.89	0.89	0.91
Kinematic Viscosity @ 40°C cSt	3	5	10	22	32	46	68	100	150	220
Kinematic Viscosity @ 100 °C cSt	-	-	2.9	4.2	5.6	6.8	8.7	11.3	15	19.5
Viscosity Index	-	-	100	100	100	100	100	100	100	100
Pour Point °C	-30	-21	-21	-21	-18	-15	-12	-12	-12	-12
Flash Point °C (ASTMD92)	100	120	160	185	200	200	220	225	225	240

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose.

