



Product Data

HYSPIN AWH-M

High Viscosity Index Mineral Hydraulic Oils

DESCRIPTION

Castrol Hypsin AWH-M is a range of high quality mineral hydraulic oils with a high viscosity index (VI), designed for operation over a wide temperature range with minimum variations in viscosity. The **Castrol Hypsin AWH-M** range contains anti-wear, anti-oxidation, anti-foam and anti-corrosion additives. This range is graded according to the (ISO) viscosity classifications.

APPLICATIONS

Castrol Hypsin AWH-M is ideal for use in hydraulic systems that are sensitive to variations in the fluid viscosity due to fluctuations in operating temperatures. Typical applications would be:

- Outdoor machinery and plant
- Precision machine tools
- Copying machines
- Numerically controlled machine tools

BENEFITS

- **Extended Service Life**

Due to high thermal and oxidation stability, oil life is extended under the most arduous operating conditions.

- **Comprehensive Additive Package**

Ensures maximum protection from wear, corrosion, foaming and oxidation resulting in reduced down time and higher productivity.

- **High Viscosity Index**

The viscosity index improvers included in the **Castrol Hypsin AWH-M** formulation ensure minimum changes in viscosity over wide temperature fluctuations. This characteristic ensures that the optimum viscosity is maintained by the oil as its temperature changes.

TYPICAL DATA

Hyspin AWH-M	32	46	68	100
Density @ 15°C	0.8719	0.8750	0.8803	0.8849
Viscosity @ 40°C cSt	31.99	45.11	66.51	99.82
Viscosity @ 100°C cSt	6.41	8.29	11.02	14.76
Viscosity Index	158	162	158	154
Flash Point (PMCC)°C	176	196	200	200
Pour Point °C	-48	-46	-46	-43
FZG Fail Stage	11	12	12	12

Compatibility of **Castrol Hypsin AWH-M** with hydraulic components:

- **Seals**
Suitable for use with nitrile, Buna-N, Viton, EP and Silicone rubbers.
- **Paint**
Suitable for use with good quality epoxy resin-based paints.
- **Metals**
No affect apart from silver-plated components used in some hydraulic pumps. In cases, use only Castrol Hypsin VG grades.

Hyspin AWH-M is classified as follows:

DIN 51502 classification– HVLP
ISO 6743/4 - Hydraulic Oils Type HV

Hyspin AWH-M grades meet the requirements of:

DIN 51524 Part 3
Cincinnati Lamb (Milacron) P 68-69-70
Denison (Parker Hannafin) HF-0
US Steel 126 & 127
Eaton (formerly Vickers) I-286-S & M-2950-S
Bosch Rexroth RE07075/RE90220

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