



Technical Data Sheet

CASTROL HYSPIN AWH RANGE

DESCRIPTION:

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

APPLICATION:

Castrol Hyspin AWH 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.

COMPATIBILITY OF CASTROL HYSPIN AWH WITH HYDRAULIC COMPONENTS:

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

BENEFITS:

- Extended service life
- Reduced downtime
- Higher productivity, thermal and oxidation stability.
- Stock rationalization.
- Full range of viscosity grades.
- The viscosity index improves ensure minimum changes in viscosity over wide temperature fluctuations.
- Ensure that the optimum viscosity is maintained by the oils as its temperature changes.
- Due to thermal and oxidation stability, oil life is extended under the most arduous operating conditions.
- The Castrol Hyspin AWH range is graded according to the (ISO) viscosity classification.
- Ensures that the ideal viscosity grade can be selected to optimize machine performance and that pump and machine manufactures recommendations are met.
- Ensures maximum protection from wear, corrosion, foaming and oxidation.
- Reduced stockholding of differential types of oil.
- High viscosity index.
- Maximum anti-wear, anti-corrosion and anti-foaming additives.

Page 2 of Data sheet

SPECIFICATIONS AND APPROVALS:

The Castrol Hyspin AWH range meets and / or exceeds the performance levels of the following:

- DIN 51524 - 12 Stages FZG Gear Test
- Vickers Vane Pump Test

TYPICAL CHARACTERISTICS:

Castrol Hyspin AWH	15	32	46	68	100
Product Code No.	40618	40633	40646	40593	40605
Density at 20°C	0,876	0,867	0,875	0,878	0,881
Viscosity Index	150	150	150	140	130
Viscosity at 40°C mm ² /s	15	32	46	68	100
Viscosity at 100°C mm ² /s	3,8	6,3	8,10	10,80	13,20
Flash Point °C (COC)	160	200	220	220	220
Pour Point °C	-48	-39	-36	-36	-33

Last Edited: 27/02/2008

This Data sheet and information it contains is considered to be accurate at the date of printing. No warranty or representation, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations. No statement made in this publication shall be construed as a permission, recommendation or authorisation given or implied to practice any patented invention without a valid licence. The Seller shall not be responsible for any loss or damage resulting from any hazards or risks identified in the data sheet and which are associated with petroleum products concerned (provided that this disclaimer shall not affect any statutory right of the Buyer of the petroleum product concerned).