



Product Data

Castrol Hyspin AWS 32 Superclean™

Superclean Hydraulic Fluid

Description

Castrol Hyspin AWS Superclean grades have been specially developed to meet the stringent performance requirements of hydraulic systems of sophisticated and new generation industrial equipments. These products have been formulated from solvent refined base oils fortified with selected anti-oxidant, anti-rust, anti-foam and anti-wear additives. A high level of thermal and chemical stability of these products helps in achieving extend service life. The selected anti-wear additive package of these products provides complete protection to moving components of hydraulic systems. Hyspin AWS Superclean grades have exceptional cleanliness level which makes them suitable for use with sophisticated filtration systems of modern machine tools, robotics and hydraulic pumps.

Application

Castrol Hyspin AWS Superclean grades are recommended for applications in medium and high pressure hydraulic systems of industrial equipment's fitted with vane, gear and piston pumps. Hyspin AWS grades are also recommended for circulation, splash, bath and ring oiling systems for machine tools, bearings and certain gear boxes requiring an oil with good anti-wear and antioxidant characteristics.

The recommended maximum bulk fluid temperature is approximately 85°C. However, continuous operation at this temperature may reduce service life of the oil. Hyspin AWS Superclean grades are not recommended for use in hydraulic systems containing silver and cadmium plated components.

Advantages

product feature	operational advantages	customer benefit
Superclean	Minimum particle build-up on filters; reduced wear of pumps and moving components	Extended service life of filters; lower machine downtime; higher equipment life
Higher anti-wear performance	Minimum wear of hydraulic pumps and moving parts	Extended pump life
Unique performance packages	Reduced oil thickening; foam-free operation and maximum protection from Corrosion	Extended oil life; higher productivity due to trouble free operation.
High Aniline Point	Ensures minimum effect on synthetic rubbers	Extended seal life
Multipurpose fluid	Can be used for variety of application	Reduced inventory of lubricant stock.

Castrol Hyspin AWS 32 Superclean
11.11.2006, Version Number 1.0

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Performance Levels

Castrol Hyspin AWS Superclean grades have been formulated to meet following performance levels:

- ◆ BIS: 11656-1986 (Except ISO VG 15 & 22)
- ◆ DIN 51524 Part II
- ◆ BS 5063 Class HM

Manufacturers' Approvals

Castrol Hyspin AWS Superclean range are recommended by leading machinery manufacturers worldwide eg.

- ◆ Krupp Industrietechnik GmbH
- ◆ Mannesman Demag
- ◆ Wiers Pumps Ltd.
- ◆ Atlas Copco Air Power n.v.
- ◆ Renk
- ◆ Dorr Oliver, GmbH
- ◆ Maschinenfabrik Gustav

Characteristics

Characteristics	Typical Data
ISO VG No.	32
Viscosity in cSt. 40°C	30 - 35
Viscosity Index,	100
Pour Point. °C	-9
Flash Point (COC) °C.	200
Rust Test (D665 A&B 24 hrs)	Pass

These are typical figures and do not constitute a specification.

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