

Antiwear Hydraulic Oil**DESCRIPTION**

The Castrol Hyspin AWS hydraulic oil range is based upon highly refined mineral oil with a low zinc-containing anti-wear system.

APPLICATION

Castrol Hyspin AWS has been specially formulated to provide outstanding anti-wear and thermal stability performance using the very latest low zinc additive technology. The careful blend of additives with a high quality basestock ensures that Castrol Hyspin AWS has excellent hydrolytic and oxidative stability while exhibiting a minimal tendency to produce sludge and deposits. In addition, Castrol Hyspin AWS provides protection from corrosion to the ferrous and yellow metal components found within a hydraulic system. Castrol Hyspin AWS is designed for use in most industrial hydraulic systems which require anti-wear protection, DIN Classification HLP. Castrol Hyspin AWS meets and exceeds the Denison HF-O requirements.

FEATURES

- ◆ Outstanding thermal and oxidative stability
- ◆ Excellent anti-wear performance
- ◆ Outstanding filterability characteristics, both wet and dry
- ◆ Superior protection against corrosion
- ◆ Excellent water separation

BENEFITS

- ◆ Longer operating life
- ◆ Overall reduction in lubricant costs and used oil disposal costs
- ◆ Reduced downtime from unscheduled maintenance. Replacement part costs reductions
- ◆ Cost savings due to increased filter life and reduced maintenance
- ◆ Minimises deposit formation giving a cleaner system
- ◆ Reduced down-time through prolonged lubricant life

All reasonable care has been taken to ensure that the information contained in this publication is accurate as at the date of printing. It should be noted however that the information above may be affected by changes occurring subsequent to the date of printing in the blend formulation or methods of application of any of the products referred to or in the requirements of any specification approval relating to any such products.

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TYPICAL PHYSICAL CHARACTERISTICS

TEST	AWS 10	AWS 15	AWS 22	AWS 32	AWS 46	AWS 68	AWS 100	AWS 150
Kinematic Viscosity @ 40°C, cSt	10	15	22	32	46	68	100	150
@ 100°, cSt	2.55	3.2	4.25	4.25	6.65	8.6	11.1	14.5
Viscosity Index	75	75	102	102	102	102	97	97
Relative Density @ 20°C	0.875	0.880	0.865	0.870	0.875	0.880	0.880	0.885
Acidity, mgKOH/g	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Air Release Value @ 50°C, cSt	4	4	4	4	8	8	12	18
Pour Point, °C	-39	-39	-30	-30	-21	-21	-21	-21
Closed Flash Point, °C	160	160	170	200	220	220	220	220
Foam sequence 1, mins	30/0	30/0	30/0	30/0	30/0	30/0	30/0	-
Demulsification (D1401) mins	10	10	10	10	15	15	20	-
4-Ball 1hr Wear @ 30kg, 1640 rpm, mm			0.4	0.4	0.4	0.4	0.4	0.4
FZG (A/8.3/90) Fail Stage	11	11	11	11	12	12	12	12
Vickers HP Vane Pump Test				25	25	25		

OTHER INFORMATION

Castrol Hyspin AWS conforms to ISO Grade HM, DIN.51524 Part 2, Class HLP(+) and Hogglands Denison HF-O bench performance test.

Seal Compatibility: Suitable for use with Nitrile, Buna-N, Viton and Silicone seal materials.

Health and Safety information sheets are available for all Castrol products from the address below.

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