



Lube Control Pty Ltd



Product Data Sheet

Castrol Hyspin HDH 7000

High Performance Mineral Oil

Description

Castrol Hyspin™ HDH 7000 is a very high performance mineral oil based hydraulic fluid with exceptional air release properties and shear stability which provide peak hydraulic performance for extended periods. The extremely stable viscosity properties of Hyspin HDH 7000 provides a double benefit of optimum cold start, and run hydraulic control, with correct hydraulic efficiency at normal and high operating temperatures. Superior air release properties ensures hydraulic power is maintained and the likelihood of pump cavitation and pump wear is significantly reduced. Incorporation of advanced anti-wear additives offers improved pump life, reduction in replacement parts which helps minimise downtime.

Application

Hyspin HDH 7000 was developed specifically for hydraulic systems where rapid response at cold start up and peak efficiency at operating temperature is required. This product was field tested in sugar cane harvesters in Queensland being subjected to the most arduous operating conditions.

Advantages

- Extremely stable viscosity. Improved cold start-ups – peak hydraulic performance immediately available and maintained.
- Superior air release properties. Maintains hydraulic performance – maximum efficiency, minimal wear.
- Advanced anti-wear additives. Protection of pump and hydraulic components – reduced maintenance, less downtime.
- Good anti-rust properties. Reduced wear caused by rust particles – improved reliability of hydraulic components.
- High aniline point. Ensures controlled effect on synthetic rubbers – extended life of seals.



Typical Characteristics

Name	Method	Units	Hyspin HDH 7000
Density at 15°C	ASTM D1298	g/ml	0.89
Kinematic Viscosity at 40°C	ASTM D445	mm²/s	72
Kinematic Viscosity at 100°C	ASTM D445	mm²/s	11.1
Viscosity Index	ASTM D2270	-	>150
Pour Point	ISO 3016, ASTM D97	°C/ °F	-39/ -38
Flash Point, COC	ISO 2592, ASTM D92	°C/ °F	218/ 424
Fire Point, COC	ISO 2592, ASTM D92	°C/ °F	246/ 475
Aniline Point	ISO 2977, ASTM D611	°C/ °F	102/ 216
Demulsification at 54°C (to 40/37/3)	ASTM D1401	mins	15
Air Release at 50°C	ISO 9120, ASTM D3427	mins	8
Viscosity Loss at 40°C, 250 Cycles	DIN 51382	%	2.7
Viscosity Loss: at 100°C, 250 Cycles	DIN 51382	%	3.5

Subject to usual manufacturing tolerances.

Castrol Hyspin HDH 7000
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