



Product Data

Castrol Hypsin[®] AWS Range

Anti-Wear Hydraulic Oils

Description

Castrol Hypsin AWS Hydraulic Range are a series of premium quality, mineral oil-based lubricants with excellent stability & anti-wear performance. They are designed to extend pump life in high premium industrial hydraulics, and bearings lubricated by circulation, bath & ring oiling.

Application

- Hypsin AWS Hydraulic Range are designed to be used on all lubrication applications where anti-wear oils are specified by equipment manufacturers or called for by system requirements.
- Used in circulation systems where pumps, bearings and gears are common.
- Hypsin AWS Hydraulic Range is used in applications requiring products meeting Denison HF_0 requirements.

Advantages

- Highly resistant to oxidation, which prevents sludging and varnishing and provides long service life.
- Provides excellent corrosion resistance for internal surfaces from entrained air and moisture-induced corrosion.
- Inhibited to prevent foam under the most rigorous operating loads.
- Anti-wear inhibitors prevent excessive wear on load-bearing surfaces.

Characteristics

Test Results	Hypsin AWS 22	Hypsin AWS 32	Hypsin AWS 46	Hypsin AWS 68	Hypsin AWS 100	Hypsin AWS150
ISO Viscosity Grade	22	32	46	68	100	150
Viscosity, ASTM D-445, @ 40°C, mm ² /sec	22.9	30.4	45.89	67.8	103.6	152.9
@ 100°C, mm ² /sec	4.4	4.18	6.72	8.5	11.8	15.1
Viscosity Index, ASTM D-2250	105	100	100	98	98	98
Flash Point, ASTM D-92, °C / °F	205 / 401	210 / 411	215 / 420	226 / 440	226 / 440	232 / 450
Copper Strip Corrosion ASTM D-130, 3 hrs. @100°C	1B	1!B	1B	1B	1B	1B
Rust, ASTM D-665, A&B	Pass	Pass	Pass	Pass	Pass	Pass
Pour Point, ASTM D-97 C/F	-32/-26	-32/-26	-26/-15	-26/-15	-15/5	-15/5
Specific Gravity @ 60°F, ASTM D-1298	0.86	0.87	0.88	0.88	0.89	0.89

User advice

Hypsin AWS Hydraulic Range are compatible with all oil-resistant seals and all metals. These oils can be added to competitive products. However, to optimize performance, drain reservoirs completely and refill with the OEM recommended viscosity grade. Consult your Castrol Sales Engineer for questions regarding compatibility.

Castrol Hyspin AWS Range
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