

Product Data Sheet



HB-1150

HyGuard AW Hydraulic Oil

ISO GRADES 22, 32, 46, 68, 100, 150 & 220

DESCRIPTION:

- Blended from highly refined paraffinic base stock oils and selected additives to provide an oil suitable for a wide variety of hydraulic applications
- Available in various ISO grades, all with excellent low temperature flow characteristics and high viscosity indexes
- Offers maximum performance with no gumming or hardening of seals
- Blended using base stocks which have excellent resistance to emulsification and high resistance to foaming

COMPOSITION:

Utilizing highly refined base stocks and blended with top quality additives which include:

Oxidation inhibitors
Corrosion inhibitors
Rust inhibitors

Anti-wear agents
Anti-foam agents
Pour point depressants

PERFORMANCE CHARACTERISTICS:

- High viscosity index
- Shows very little flow rate change regard-less of changes in temperature
- Helps to prevent loss of pressure around seals
- Prevents oxidation which can clog small orifices, tightly fitted parts and lead to corrosion of metal surfaces
- Special additives prevent rust from forming by providing a protective film on metal surfaces
- Reduces fluid operating temperatures
- Provides better overall mechanical efficiency combined with less power consumption
- Extremely inexpensive due to its long life and reduced wear and tear on parts

USES:

- Far exceeds the anti-wear requirements for Vickers Pumps as shown in the Vickers Pump Test and also meets their requirement for a "high zinc" type anti-wear hydraulic oil
- Fully approved by Sperry-Vickers and by Denison Pump Division under both their HP-2 and HP-0 specifications
- Meets and exceed the requirements of Cincinnati Milacron

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APPLICATIONS:

Construction equipment	Drilling equipment
Mining equipment	Winches
Cranes	Draglines
Plant hydraulics	Gear boxes & bearings
Deck & cargo handling equipment	Air compressors
Logging equipment	Hydraulic platforms

HB-1150 SPECIFICATIONS:

PROPERTY	A/W 22	A/W 32	A/W 46	A/W 68	A/W 100	A/W 150	A/W 220
Viscosity Grade	22	32	46	68	100	150	220
ASTM No-	105	150	215	315	465	700	1000
API Gravity	33.2	32.4	31.7	30.9	30.0	28.9	26.8
Lbs. per gallon	7.16	7.2	7.2	7.3	7.3	7.41	7.41
Pour Point, ⁰ F	-25	-25	-20	-20	-20	-20	-25
Flash Point, ⁰ F	360	458	500	520	530	530	405
Viscosity, Typical SUS a 100 ⁰ F SUS a 210 ⁰ F	94 40	156 43.6	205 .	308 53.4	486 64.0	720 72	1012 89.7
Viscosity Index	95	95	95	95	95	95	95
ASTM Rust Test (ASTM D665,	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion (ASTM D-130)	1	1	1	1	1	1	1

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