



Industrial Oils

hyrax[®] Hydra SPV



Note:

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High performance ashless additives system



Exceptional anti-wear protection for high pressure vane and piston pumps



Outstanding oxidation and thermal stability



Good anti-rust and corrosion properties

Description

Hyrax Hydra SPV is a premium quality, shear stable, multigrade, very high viscosity index ashless type antiwear hydraulic fluid specially formulated using premium quality base fluids and high performance ashless additives system to provide excellent low temperature fluidity, excellent demulsibility and defoaming characteristics, and exceptional anti-wear protection for high pressure vane and piston pumps.

Applications

Hyrax Hydra SPV is highly recommended for use in all heavy-duty hydraulic applications where low temperature or rapid change of temperature are encountered. It is also recommended for use in hydraulic or electro-hydraulic servo control system, plain and anti-friction bearings, power transmission systems, machine tools and circulating oiling systems oil in which application is subjected to wide-range of temperatures.

Benefits

- Very shear stable high viscosity index with good low temperature fluidity – minimize warm-up time, and pump cavitation while conserving energy
- Outstanding oxidation and thermal stability – prolong oil service life
- Excellent wear protection and good anti-rust and corrosion properties
- Zinc-free technology for compatibility with hydraulic system with yellow metals components
- Excellent filterability

Typical Characteristics

Properties	Method	ISO VG				
		32	46	68	100	150
Density at 15°C, Kg/L	ASTM D4052	0.854	0.859	0.866	0.874	0.879
Flash Point, °C	ASTM D92	>210	>210	>210	>210	>210
Pour Point, °C	ASTM D97	-33	-30	-27	-24	-18
Viscosity at 40°C, cSt	ASTM D445	32.0	46.0	68.0	100.0	150.0
Viscosity at 100°C, cSt	ASTM D445	6.4	8.3	11.2	14.6	18.3
Viscosity Index	ASTM D2270	157	157	158	151	137
Acid Number, mgKOH/g	ASTM D664	0.15	0.15	0.15	0.15	0.15

Performance

- DIN 51524 part III HVLP
- Parker Denison HF-0 / HF-1 / HF-2
- Eaton Brochure 03-401-2010
- MAG IAS P-68 / P-69 / P-70