



Industrial Oils

hyrax® HVI Hydra



Description

Hyrax HVI Hydra is a premium quality, shear stable, multigrade, high viscosity index anti-wear hydraulic fluid formulated using high quality base stocks and specially selected 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. Exclusively designed for use in hydraulic and fluid power transmission systems as well as wide range of industrial applications subjected to wide variations in ambient and system operating temperatures.

Applications

Hyrax HVI Hydra is highly recommended for use in all heavy-duty hydraulic applications where low temperature or rapid change of temperature is 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

Typical Characteristics

Properties	Method	ISO VG							
		15	22	32	46	68	80*	100	150
Density at 15°C, Kg/L	ASTM D4052	0.837	0.843	0.851	0.857	0.864	0.869	0.872	0.879
Flash Point, °C	ASTM D92	>190	>210	>210	>210	>210	>210	>210	>210
Pour Point, °C	ASTM D97	-40	-40	-33	-30	-27	-27	-24	-18
Viscosity at 40°C, cSt	ASTM D445	14.6	22.0	32.0	46.0	68.0	80.0	100.0	150.0
Viscosity at 100°C, cSt	ASTM D445	3.8	4.9	6.4	8.5	11.3	12.5	14.9	18.3
Viscosity Index	ASTM D2270	160	154	157	164	160	154	146	137
Acid Number, mgKOH/g	ASTM D 664	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

(*) Not an ISO VG Grade Number

Performance

- DIN 51524 PART III HVLP
- Bosch Rexroth RD90220
- Parker Denison HF-0 / HF-1 / HF-2
- SAE MS1004
- MAG IAS P-68 / P-69 / P-70
- Eaton Brochure 03-401-2010
- GM LS-2
- JCMAS HK
- U.S. Steel 127 and 136



Premium quality high viscosity
index anti-wear hydraulic fluids



Exceptional antiwear
protection for high pressure
vane and piston pumps



Outstanding oxidation
and thermal stability



Good anti-rust and
corrosion properties