



SYNTHETIC ANTI-WEAR Hydraulic Oils

Description

Synthetic Anti-wear Hydraulic Oils are high quality synthetic lubricants formulated for use in low and high pressure mobile or stationary hydraulic systems. They are also suitable for use with gear, vane and piston type pumps.

Synthetic Anti-wear Hydraulic Oils feature outstanding thermal stability and cold flow properties. They minimize pump chatter and cavitation and improve hydraulic efficiency in cold temperatures. The unique formulation of these products resist heat, oxidation and varnish formation that sticks valves.

Synthetic Anti-wear Hydraulic Oils are compatible with seals and zinc-based petroleum anti-wear hydraulic oils.

Synthetic Anti-wear Hydraulic Oils are shear stable and feature zinc-based anti-wear additives.

Features/Benefits

- ✓ **Shear Stable, High VI Formulations**
- ✓ **Resists Heat, Oxidation and Varnish Formation**
- ✓ **Rust and Oxidation Inhibited**
- ✓ **Zinc-based Anti-Wear Additive System**
- ✓ **Readily Separates from Water**
- ✓ **Designed for Long Life**

ISO 32 and 46 Meet or Exceed the Requirements of:

- ✓ Denison HF-0, HF-1, HF-2
- ✓ Easton/Vickers M-2950-S and I-286-S
- ✓ DIN 51524, Part 2 & 3

Physical, Chemical & Performance Properties

Product Number	422	423	424
ISO Viscosity Grade	22	32	46
Viscosity @ 100°C, cSt	5.9	7.2	9.6
Viscosity @ 40°C, cSt	21.2	31.7	48.0
Viscosity Index	254	204	190
Density (lb/gal)	6.964	7.001	7.063
Flash Point, °C (°F) (COC)	174 (345)	224 (435)	228 (442)
Fire Point, °C (°F) (COC)	186 (367)	246 (475)	254 (489)
Pour Point, °C (°F)	<-60 (<-76)	-51 (-60)	-46 (-51)
Foam Tendency	0/0/0	0/0/0	0/0/0
Copper Corrosion 100°C, 3 hr	1A	1A	1A
Dielectric Strength, >35kV	43.6	46.2	45.4