

Olympus

Anti-wear hydraulic oils

Description

Olympus is a series of anti-wear hydraulic oils formulated with polyalphaolephin synthetic oils. They provide excellent anti-wear protection, oxidation and corrosion inhibition as well as foam and aeration suppression. All grades have excellent demulsibility characteristics. They are formulated to provide outstanding low- and high-temperature performance and equipment protection up to three times longer than comparable conventional products.

Performance Benefits

- Extreme thermal and oxidative stability leads to longer operating life, reduction in lubricant costs and minimizes deposit formation giving a cleaner system.
- Excellent anti-wear performance gives wear protection and reduces downtime from unscheduled maintenance.
- Good filterability characteristics, even in the presence of water, enables cost savings to be made from increased filter life and reduced maintenance.
- Excellent water separation and hydrolytic stability means reduced down time through prolonged lubricant life and increased equipment reliability.

Recommended Applications

Olympus anti-wear hydraulic oils are specially formulated to provide good anti-wear and oxidation stability performance using the very latest additive technology. The careful blend of additives with a high quality synthetic base stock ensures that the Olympus series oils have excellent hydrolytic and oxidative stability while exhibiting a minimal tendency to produce sludge and deposits. In addition, the Olympus series provides corrosion protection to ferrous and yellow metal components found within a hydraulic system.

This range is designed for use in industrial hydraulic systems which require anti-wear protection. It is also suitable for other duties in which lubricants of high oxidation stability and lubrication performance are required, such as lightly loaded gears, variable speed units and bearings. The Olympus series is fully compatible with elastomer materials commonly used for static and dynamic seals, such as nitrile, silicone and fluorinated (e.g. Viton) polymers.

Olympus series oils are classified as follows:

DIN 51502 classification - HLP

ISO 6743/4 - Hydraulic Oils Type HM

Olympus anti-wear oils meet the requirements (for appropriate viscosity grade) of:

DIN 51524 Part 2

Cincinnati Lamb (Milacron) P 68-69-70

Denison (Parker Hannafin) HF-0

US Steel 126 & 127

Eaton (formerly Vickers) I-286-S & M-2950-S

Bosch Rexroth RE90220

Characteristics

			Olympus 32	Olympus 46	Olympus 68	Olympus 100	Olympus 150	Olympus 220
ISO Viscosity Grade	-	-	32	46	68	100	150	220
Viscosity @ 40°C	cSt	ASTM D44	32	46	68	100	150	220
Viscosity @ 100°C	cSt	ASTM D445	6.4	8.54	11.4	15.2	20.5	27.9
Viscosity Index	-	ASTM D2270	144	154	161	160	160	163
Flash Point, COC	°C	ASTM D92	230	235	240	240	245	245
Pour Point	°C	ASTM D97	-57	-54	-54	-51	-45	-42
Copper corrosion	3 hr at 100°C	ASTM D130	1b	1b	1b	1b	1b	1b
Foam Seq 1	ML	ASTM D892	10/0	10/0	10/0	10/0	10/0	10/0
Demulsibility	Minute	ASTM D1401	15	15	15	20	20	25
Air Release Value			4	8	8	12	18	20
FZG fail stage		ASTM D5182	9	9	10	11	11	12
Rust Test A&B		ASTM D665	Pass	Pass	Pass	Pass	Pass	Pass

Subject to usual manufacturing tolerances