

Poseidon

R&O oils

Description

Poseidon is a series of rust and oxidation inhibited oils formulated with highly refined paraffinic base oils. They provide excellent oxidation and corrosion inhibition as well as foam and aeration suppression. All grades have excellent demulsibility characteristics.

Performance Benefits

- Excellent thermal and oxidative stability leads to longer operating life, reduction in lubricant costs and minimizes deposit formation giving a cleaner system.
- Provides good anti-wear control for steel, brass and bronze pump parts when operating as system pressure below 1,000psi.
- 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

Poseidon R&O oils are specially formulated to provide excellent thermal and oxidation stability performance using the very latest additive technology. The careful blend of additives with a high quality base stock ensures that the Poseidon series oils have excellent hydrolytic and oxidative stability while exhibiting a minimal tendency to produce sludge and deposits. In addition, the Poseidon series provides corrosion protection to ferrous and yellow metal components found within a hydraulic, turbine and circulating oil systems.

This range is designed for use in turbine systems and other applications where a long lubricant life is required. 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 Poseidon series is fully compatible with elastomer materials commonly used for static and dynamic seals, such as nitrile, silicone and fluorinated (e.g. Viton) polymers.

Poseidon oils meet the requirements (for appropriate viscosity grade) of:

DIN 51524 Part 1

Cincinnati Machine (Milacron) P-38, P-55, P-57

GEK-32568

US Steel 126

Siemens TLV 9013

Characteristics

			Poseidon 32	Poseidon 46	Poseidon 68	Poseidon 100	Poseidon 150	Poseidon 220	Poseidon 320	Poseidon 460
ISO Viscosity Grade	-	-	32	46	68	100	150	220	320	220
Viscosity @ 40°C	cSt	ASTM D44	31	46	68	100	149	222	319	222
Viscosity @ 100°C	cSt	ASTM D445	5.5	6.9	9.1	12.4	14.7	18.7	23.9	18.7
Viscosity Index	-	ASTM D2270	101	100	100	97	97	97	95	97
Flash Point, COC	°C/°F	ASTM D92	215	215	229	230	232	232	232	232
Pour Point	°C/°F	ASTM D97	-30/-22	-27/-17	-24/-11	-21/-6	-20/-4	-20/-5	-15/5	-14/6
Copper corrosion	3 hr at 100°C	ASTM D130	1b	1b	1b	1b	1b	1b	1b	1b
Foam Seq 1	ML	ASTM D892	20/0	30/0	30/0	50/0	50/0	50/0	50/0	55/0
Demulsibility	Minute	ASTM D1401	10	15	15	20	20	20	25	30
Oxidation Stability	Hrs	ASTM D943	>5000	>5000	5000	4500	4500	4000	4000	4000
Rust Test A&B		ASTM D665	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Subject to usual manufacturing tolerances