

Pericles Series

Synthetic EP Gear Oil for industrial applications

Description

The **Pericles Series** of synthetic industrial EP gear lubricants are specifically formulated to protect moderate to heavily loaded industrial gears and bearings. They provide excellent anti-wear and load carrying capability as well as strong rust inhibition and demulsibility performance. The **Pericles Series** meets or exceeds the requirements of the industry standard U.S. Steel 224 and AGMA 250.04 EP gear lubricant specifications.

Performance Benefits

- High film strength - gear teeth are protected from wear and premature failure.
- Excellent oxidative and thermal stability - product won't break down when operating in conditions of oxidation and high thermal stress resulting in long service life.
- Non-foaming - use of an effective antifoam assures good foam control.
- Fast and complete water separation - water separates quickly and completely and resists forming permanent emulsions.
- Non corrosive - the products will not corrode non-ferrous metals contained in gear sets.

Recommended Applications

The **Pericles Series** of synthetic industrial EP gear lubricants are suitable for use in spur, helical, herringbone, bevel, and most types of industrial hypoid gearing. They are also suitable for ball, roller, and other types of antifriction bearings.

Characteristics

Viscosity Grade	-	-	68	100	150	220	320	460
ISO Grade	-	-	68	100	150	220	320	460
AGMA Grade	-	-	2EP	3EP	4EP	5EP	6EP	7EP
Viscosity @ 40°C	cSt	ASTM D445	68	100	150	220	320	460
Viscosity @ 100°C	cSt	ASTM D445	11.4	15.2	20.6	28.2	38.3	50.3
Viscosity Index	-	ASTM D2270	161	159	160	165	170	171
Pour Point	°C	ASTM D97	-65	-47	-45	-42	-42	-39
Flash Point	°C	ASTM D92	273	287	287	304	310	318
FZG, Scuffing Test	-	ASTM D5182	12	12	12	12	12	12
Density, lbs/gal	-	-	7.10	7.12	7.13	7.15	7.18	7.30
Water Separability	Free water, ml % water in oil Emulsion, %-	ASTM D1401	40/40/0	40/40/0	40/40/0	40/40/0	40/40/0	40/40/0
Timken OK Load	LB	ASTM D2782	60	60	60	60	60	60
Rust Protection	-	ASTM D665	Pass	Pass	Pass	Pass	Pass	Pass
Four Ball Wear, Scar Diameter	mm	ASTM D4172	0.32	0.32	0.32	0.32	0.32	0.32
Weld Load	kg	ASTM D2783	315	315	315	315	315	315
Foaming Characteristics Sequence I,II, III		ASTM D892	0/0	0/0	0/0	0/0	0/0	0/0
Copper Corrosion	3 hr at 100°C	ASTM D130	1A	1A	1A	1A	1A	1A
TOST	Hours	ASTM D943	+10,000	+10,000	+10,000	+10,000	+10,000	+10,000

Subject to usual manufacturing tolerances