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Product Bulletin

Pericles Series

Synthetic Extreme Pressure Industrial Gear Oil

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 antiwear and load carrying capability as well as strong rust inhibition and demulsibility performance. The line meets or exceeds the requirements of the industry standard U.S. Steel 224 and AGMA 250.04 EP gear lubricant specifications.

Performance Benefits

- High temperature stability and cleanliness
- Eliminates seasonal oil changes due to poor viscometrics or pour point
- Compatible with conventional seals such as nitrile, fluorocarbon, and polyacrylate
- Reduces power consumption
- Excellent oxidation stability

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.

When converting to **Pericles** synthetic lubricants, OEM recommendations should be used when choosing the appropriate viscosity grade. Maximum performance is provided when the equipment is clean and in good condition. Contamination from previous lubricants or their residues should be minimized, since this will tend to compromise the performance enhancements of the synthetic.

Typical Characteristics

Pericles	68	150	220	320	460
ISO Grade	68	150	220	320	460
AGMA Grade	2EP	4EP	5EP	6EP	7EP
Viscosity, cSt @ 40 °C	68	150	220	320	460
Viscosity, cSt @ 100 °C	10.6	19.5	25.8	34.4	46.5
Viscosity Index	144	149	149	151	157
Pour Point, °C ASTM D 97	-65	-45	-36	-33	-27
Flash Point, °C	273	287	304	310	318
FZG, Scuffing Test DIN 51354 M	14	14	14	14	14
Density, lbs/gal	7.10	7.13	7.15	7.18	7.30
Demulsability, ASTM D 1401	40/40/0	40/40/0	40/40/0	40/40/0	40/40/0
Timken OK Load, lb ASTM D 2782	60	60	60	60	60
Rust Protection, ASTM D665B	Pass	Pass	Pass	Pass	Pass
Four Ball Wear, Scar Daimeter, mm ASTM D4172	0.32	0.32	0.32	0.32	0.32
Load Wear Index, Kgf	48.5	48.5	48.5	48.5	48.5
Weld Load, Kg	315	315	315	315	315
Foaming Characteristics ASTM D 892 Sequence I,II, III	0/0	0/0	0/0	0/0	0/0
Copper Corrosion, D- 130 100 °C, 3hrs	1A	1A	1A	1A	1A