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An ISO9001 Certified Company

PD P2AO 180

REV. # 5

REV. DATE: May 5, 2020

P2AO180 OIL

PAO BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS

DESCRIPTION

PERMAWICK P2AO180 OIL is a plastic compatible synthetic lubricant formulated to provide increased service life and shear stability. The carefully selected additives contribute to both chemical and thermal stability. Flash and fire points are higher than conventional mineral oils and therefore substantially increase the operational safety margin.

PERMAWICK P2AO180 OIL is specially formulated for the fractional horsepower electric motor industry and has a temperature operating range of -40 to 125°C.

PRODUCT FEATURES

- Long term hydrolytic stability and water separation
- Oxidation and corrosion resistant
- Reduced rate of change of viscosity with temperature change
- High viscosity index & very low pour point indicate excellent low temp fluidity
- Low evaporation rate

<u>Performance Test</u>	<u>ASTM Method</u>	<u>Typicals</u>
Gravity, API	D1298	38.78
Specific Gravity	D1298	0.8313
Color	D1500	0.5
Flash Point, °C	D92	230
Fire Point, °C	D92	260
Pour Point, °C	D97	<-60
Viscosity, cSt. 40°C	D445	38.5
100°C		6.84
Viscosity, SUS 100°F	D88	180
210°F		48.6
Viscosity Index	D2270	137
Neutralization No., mg KOH/gm	D664	0.01
Copper Corrosion		
3 hours @ 100°C	D130	1b
Evaporation Loss, % mass, grams		
22 hours @ 98.9°C	D972	0.4

The World Leader in Fractional Horsepower Motor Lubrication