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An ISO9001 Certified Company
 PD P2AO 40NPW
 REV. # 3
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P2AO40-NPW
PAO BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS

DESCRIPTION

PERMAWICK P2AO40 OIL is a member of a high performance line of lubricants developed for plastic compatibility in the fractional horsepower electric motor industry. These synthetics have excellent low temperature pumpability, corrosion resistance, and oxidation stability.

P2AO40-NPW is blended with a fiber allowing easier injection and specifically designed to control oil release rate in motor designs that are vulnerable to leaking.

P2AO40-NPW has a proven quality record and is specifically designed to meet the lubricating needs of FHP motor sleeve bearings.

PRODUCT FEATURES

- Long service life with excellent lubricating qualities
- Machine injectable
- Separates readily from water
- Soluble in conventional mineral oils
- Reduced rate of change of viscosity with temperature change
- Useful temperature range: <-45°C to 50°C

<u>Performance Test</u>	<u>ASTM Method</u>	<u>Typicals</u>
Gravity, API, (Degrees)	D1298	44.7
Specific Gravity	D1298	0.803
Color	D1500	0.5
Flash Point, °C	D92	160
Fire Point, °C	D92	180
Pour Point, °C	D97	<-65
Viscosity, cSt. 40°C	D445	5.51
100°C		1.81
Viscosity, SUS 100°F	D445	45
210°F		32
Neutralization No., mg KOH/gm	D664	0.01
Copper Strip Corrosion		
3 hours @ 100°C	D130	1a
Evaporation Loss, % mass, grams		
22 hours @ 100°C	D972	4.9

<u>Performance Test: PermaWick Blend</u>	<u>ASTM Method</u>	<u>Typicals</u>
Fiber content (Weight)	In-House	14% - 19%
Oil Content (Weight)	In-House	86% - 81%
Moisture Content	D95	<1.6%

The World Leader in Fractional Horsepower Motor Lubrication