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An ISO9001 Certified Company

PD P2AO 40NP

REV. # 4

REV. DATE: July 11, 2019

P2AO40 NP

PAO BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS

DESCRIPTION

PERMAWICK P2AO40 NP 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-NP 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>Typical Value</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.	D445	40°C	5.51
		100°C	1.81
Viscosity, SUS	D445	100°F	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>Typical Values</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