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**An ISO9001 Certified Company**

PD P2AO 40-R

REV. # 4

REV. DATE: May 23, 2017

## **P2AO40-R**

### **PAO BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS**

#### **DESCRIPTION**

PERMAWICK P2AO40-R 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.

PERMAWICK P2AO OILS excel in low temperature applications and whenever ISO VG 5 oils are indicated especially in high speed applications.

#### **PRODUCT FEATURES**

- Long service life with excellent lubricating qualities
- Non-staining
- 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

<b><u>Performance Test</u></b>	<b><u>ASTM Method</u></b>	<b><u>Typicals</u></b>
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

**The World Leader in Fractional Horsepower Motor Lubrication**