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An ISO9001 Certified Company
 PD P2AO 181
 REV. # 3
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P2AO181 OIL
PAO BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS

DESCRIPTION

PERMAWICK P2AO181 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 P2AO181 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
- Protection from humidity and moisture

<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.	D445	40°C	38.5
		100°C	6.84
Viscosity, SUS	D88	100°F	181
		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	
Corrosion (Rust) protection			
55°C, 95% humidity, 140 hours	D1748	Pass	

The World Leader in Fractional Horsepower Motor Lubrication

PermaWick Product Data Sheet