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PD P2AO 350HT  
 REV. #5  
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**P2AO350HT Oil and P2AO350HT-NP**  
**PAO based synthetic lubricant for Sintered Metal Bearings**

**DESCRIPTION**

PERMAWICK P2AO350HT Oil is a high-performance plastic compatible synthetic oil. Blended with special base-stocks it is designed to operate at temperatures hotter than standard PAO's. It is highly effective in lubricating fractional horsepower electric motors. This lubricant possesses extremely long service life and reduces any leakage or washing away that could cause dry running. Low pour point and high viscosity index provide superior low temperature fluidity. NP fiber can also be blended with P2AO350HT oil to allow injectability around the motor bearing surface. P2AO350HT-NP has a wide use range of -30 to 150°C.

**PRODUCT FEATURES**

- Enhanced resistance against oxidation compared to traditional PAO's.
- Reduced rate of change of viscosity with temperature change
- Separates easily from water
- Mixes with conventional mineral oils
- Corrosion resistant
- Reduces friction and wear
- Will not lose lubricating characteristics when contaminated

PERFORMANCE TEST (Oil)	METHOD	Typical
Density, 15°C	D1298	0.849
Color	D1500	<1.0
Flash Point, °C	D92	262
Pour Point, °C	D97	-50
Viscosity, cSt, 40°C	D445	66.58
Viscosity, cSt, 100°C	D445	10.38
Viscosity Index	D2270	143
Neutralization No., mg KOH/g	D664	0.01
Copper Corrosion 3hr, 100°C	D130	1B
Evaporation Loss, wt. %, 22hrs @100°C	D972	0.1
Oxidation Induction Time by PDSC, mins	D6186	65
<b>PermaWick Blend (Oil + Wick)</b>		
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