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PD P2AO 350-NP50W-830

REV. #1

REV. DATE: June 24, 2021

P2AO350-NP50W-83.0 and Oil
PAO based synthetic lubricant for Sintered Metal Bearings

DESCRIPTION

PERMAWICK P2AO350 OIL is especially developed for plastic compatibility for use in the fractional horsepower electric motor industry. This lubricant possesses extremely long service life and resists any leakage or washing away that could cause dry running. Low pour point and high viscosity index provide superior low temperature fluidity.

NPW fiber is blended with P2AO350 oil to provide greater injectability and minimize applications that maybe leak prone.

P2AO350-NP20W has a wide use range of -30 to 125°C.

PRODUCT FEATURES

- Oxidation and corrosion resistant
- Reduced rate of change of viscosity with temperature change
- Separates easily from water
- Mixes with conventional mineral oils
- Reduces friction and wear
- Will not lose lubricating characteristics when contaminated

<u>PERFORMANCE TEST (Oil)</u>	<u>ASTM METHOD</u>	<u>TYPICALS</u>
ISO VG	D2422	68
Gravity, API	D1298	37.56
Specific Gravity	D1298	0.8373
Color	D1500	<1.0
Flash Point, °C	D92	232
Fire Point, °C	D92	270
Pour Point, °F	D97	-57
Viscosity, cSt	D445	
40 °C		67.88
100 °C		10.59
Viscosity Index	D2270	144
Neutralization No., mg KOH/g	D664	0.01
Copper Strip Corrosion	D130	
3 hours @ 100°C		1B (min)
Evaporation Loss, wt. %	D972	
22 hours @ 100 °C		0.1
<u>PERMAWICK BLEND</u>	<u>METHOD</u>	<u>TYPICALS</u>
Fiber content (Weight)	In-house	17% ±1%
Oil Content (weight)	In-House	83% ±1%
Moisture Content	D95	<1.6%