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PD P2AO 551

REV. # 2

REV. DATE: September 18, 2014

## P2AO551 Oil PAO Based Synthetic Lubricant for Sintered Metal Bearings

### DESCRIPTION

PERMAWICK P2AO551 OIL is formulated with polyalphaolefins in conjunction with specifically selected additives to produce a plastic compatible lubricant excelling in hydrolytic, thermal and chemical stability.

PERMAWICK P2AO551 OIL is a lubricant of choice for the fractional horsepower electric motor industry with an operating range of -45 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</u>	<u>ASTM METHOD</u>	<u>TYPICALS</u>
Gravity, API	D1298	35.2
Specific Gravity	D1298	0.8488
Color	D1500	< 2.0
Flash Point, °F (°C)	D92	450(232)
Fire Point, °F (°C)	D92	525(274)
Pour Point, °F (°C)	D97	-55 (-48)
Viscosity, cSt	D445	
40 °C		120
100 °C		16.2
Viscosity Index	D2270	144.6
Viscosity, SUS	D88	
100 °F		550
210 °F		78.1
Neutralization No.mg KOH/g	D664	0.01
Copper Corrosion	D130	
3 hour @ 100 °C		1A
Evaporation Loss, wt. %	D972	
22 hours @ 98.9 °C		0.4

The World Leader in Fractional Horsepower Motor Lubrication