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**An ISO9001 Certified Company**  
 PD PSL 1000 OIL/PERMAWICK  
 REV. # 5  
 REV. DATE: June 6, 2017

**PSL1000 OIL AND PERMAWICK  
 POLYOLESTER BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS**

**DESCRIPTION**

PERMAWICK PSL1000 OIL is a polyolester based synthetic lubricant specifically designed to lubricate bearings in high temperature applications. PSL1000 OIL also has the additional benefit of low volatility and a sub zero pour point. The exceptional flash point provides this lubricant with an operating range up to 175°C.

PERMAWICK PSL1000 OIL is formulated from the highest quality synthetic base stocks and additives that have proven performance in FHP motors.

**PRODUCT FEATURES**

- Excellent high temperature stability
- Oxidation and corrosion resistant
- Low volatility-reduces oil evaporation
- Energy efficient-does not contain residue forming solids
- Outstanding anti-wear characteristics
- Useful temperature range: 0°C to 175°C

<b><u>Performance Test</u></b>	<b><u>ASTM Method</u></b>	<b><u>Typicals</u></b>
Specific Gravity	D4052	0.965
Density lbs/gal, (g/ml)	Conversion	8.04 (0.965)
Color	D1500	1 – 2
Flash Point, °C	D92	294
Fire Point, °C	D92	321
Pour Point, °C	D97	-30
Viscosity, cSt. 40°C	D445	217
100°C		16.4
Viscosity, SUS 100°F	D2161	1,160
210°F		86
Neutralization No., mg KOH/gm	D664	<2
Four-ball wear, mm @ 40Kg 1200rpm, 1 hr @ 75°C	D4172	0.35
Evaporation Loss, wt. % 10g @ 300°F, 48 hrs	D972	1.0
 <b><u>PermaWick Blend</u></b>	 <b><u>ASTM Method</u></b>	 <b><u>Typicals</u></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**

**PermaWick Product Data Sheet**