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**An ISO9001 Certified Company**  
 PD PSL 1000D  
 REV. # 1  
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## PSL 1000D Oil

### Polyol Ester Based Synthetic Lubricant for Sintered Metal Bearings

#### DESCRIPTION

PSL1000D Oil is a specialty ester based synthetic lubricant designed to lubricate bearings, in applications to 175°C and where the peak temperature may spike as high 200°C for brief periods. PSL1000D Oil also has the additional benefit of low coefficient of friction at high loads.

High flash point performance combined with low volatility enables this lubricant to operate over a wide temperature range.

PSL1000D 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
- Outstanding anti-wear / load carrying characteristics.
- Resists oxidation and corrosion
- Recommended temperature range: -20 to 175°C
- Extremely low volatility-reduces oil evaporation
- Energy efficient-does not contain residue forming solids

<u>PERFORMANCE TEST</u>	<u>ASTM METHOD</u>	<u>TYPICALS</u>
Specific gravity	D4052	0.96
Density lbs. /gal	Conversion	8.01
Color	D1500	2
Flash Point, ° C	D92	286
Pour Point, °C	D97	-45
Viscosity, cSt	D445	
40 °C		220
100 °C		16.4
Viscosity Index	D2272	74
Neutralization No., mg KOH/gm	D664	0.1
Falex Pin and Vee block @ 500lbs for 15 minutes	D2670	Pass
Falex Pin and Vee block @ 700lbs for 15 minutes	D2670	Pass
Falex pin and vee block, lb	D3233B	>2000
Evaporation Loss, wt. % Using 10grams for 6.5hrs at 204°C	In-House	<2.5

**PermaWick Product Data Sheet**