



**PermaWick Company**  
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**An ISO9001 Certified Company**  
 PD PSL 313NPW  
 REV. # 3  
 REV. DATE: June 5, 2017

**PSL313NPW AND OIL**  
**POLYOLESTER BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS**

**DESCRIPTION**

PERMAWICK PSL313 NPW is a Polyolester based synthetic oil and engineered fiber blend providing the ultimate in performance under the most grueling of conditions. Using the highest quality synthetic base stocks along with a sophisticated synergistic additive package, PSL 313 NPW is specially formulated for a long service life over a wide temperature range.

PERMAWICK PSL313NPW is blended with a fiber specifically designed to control oil release rate in motor designs that are vulnerable to leaking.

PERMAWICK PSL313 OIL has a proven quality record and is specifically designed to meet the lubricating needs of FHP motor sleeve bearings

**PRODUCT FEATURES**

- High film strength
- Low evaporation rate and oxidation resistant
- Very shear stable
- Resists rate of change of viscosity with temperature change
- Excellent anti-sludge and anti-varnish characteristics
- Useful temperature range: -40°F to 300°F (-40°C to 150°C)

<b><u>Performance Test</u></b>	<b><u>ASTM Method</u></b>	<b><u>Typicals</u></b>
Gravity, API	D1298	11.4
Specific Gravity	D1298	1.01
Color	D1500	1 – 2
Flash Point, °C	D92	240
Fire Point, °C	D92	310
Pour Point, °C	D97	-54
Viscosity, cSt.	D445	40°C
		60.0
Viscosity, SUS	D445	100°C
		11.5
		100°F
		279
		65
Viscosity Index	D2270	187
Neutralization No., mg KOH/gm	D664	<2
Copper Strip Corrosion		
3 hours @ 212°F	D130	1a
Evaporation Loss, wt%		
22 hours @ 210°F	D972	0.15
<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**



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