



PermaWick Company
 255 E. Brown Street, Suite 100, Birmingham, MI 48009
 Phone: 248-433-3500 • Fax: 248-594-3433
 sales@permawick.com
 www.permawick.com

An ISO9001 Certified Company
 PD PSL301-NP-860R
 REV. # 3
 REV. DATE: January 26, 2023

PSL301-NP-860R OIL
POLYOLESTER BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS

DESCRIPTION

PERMAWICK PSL 301 OIL is a polyolester based lubricant that is formulated for long life over a wide temperature range. As a medium viscosity grade lubricant, PSL301 assures reliability under most adverse conditions.
 PERMAWICK PSL301 oil is combined with precision engineered fibers to make **PSL301-NP-860R** and provides a controlled release of oil to the bearing. This combination makes an excellent wicking reservoir for use with powdered metal bearings ensuring long motor life.

PRODUCT FEATURES

- Low evaporation rate
- Oxidation, corrosion, and rust resistant
- Outstanding film strength – prevents dry-running
- Reduced rate of change of viscosity with temperature
- Low pour points and high viscosity index indicate excellent low temperature fluidity
- Useful temperature range: -40°C to 150°C

<u>Performance Test</u>	<u>Method</u>	<u>Typical Value</u>
Gravity, API	D1298	9.0
Specific Gravity	D1298	1.007
Flash Point, °C	D92	282
Fire Point, °C	D92	315
Pour Point, °C	D97	-51
Viscosity, cSt. 40°C	D445	59.67
100°C		11.24
Viscosity Index	D2270	185
Neutralization No., mg KOH/gm	D664	0.01
Copper Strip Corrosion		
3 hours @ 100°C	D130	1a
Evaporation Loss, wt%		
22 hours @ 98.9°C	D972	0.3
Four Ball wear, 1200 rpm		
90°C, 40 kg, hr, mm	D2260	0.8
Four Ball EP, weld point, kg	D2783	126
PermaWick Blend	Method	Typical Value
Color	IN- House	Nautical Red
Fiber Content (wt.)	In-House	14% ±1%
Oil Content (wt.)	In-House	86% ±1%
Moisture (%)	ASTM D95	<1.6%

The World Leader in Fractional Horsepower Motor Lubrication

PermaWick Product Data Sheet