



**PermaWick Company**  
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**An ISO9001 Certified Company**  
PD PHC300-3 PERMAWICK  
REV. # 2  
REV. DATE: June 5, 2017

## **PHC300-3 OIL AND PERMAWICK MINERAL OIL BASED LUBRICANT FOR ALUMINUM SLEEVE BEARINGS**

### **DESCRIPTION**

PERMAWICK PHC300-3 OIL is a custom blend of hydro-cracked paraffinic base stocks with a synergistic anti-wear and anti-oxidation additive package especially designed to lubricate solid aluminum bearings. PHC300-3 oil immediately coats and re-coats aluminum surfaces, preventing oxidation from occurring and providing anti-wear, rust and corrosion protection. PHC300-3 is designed to extend the performance margins of conventional mineral oils.

### **PRODUCT FEATURES**

- Service life exceeds traditional solvent refined mineral based lubricants
- Excellent lubrication for aluminum surfaces
- Very shear stable
- Outstanding wear protection over a wide temperature range
- Controlled frictional performance
- Low evaporation
- Useful temperature range: +18°F to 205°F

<b><u>Performance Test</u></b>	<b><u>ASTM Method</u></b>	<b><u>Typicals</u></b>
Gravity, API	D1298	29.3
Specific Gravity	D1298	0.88
Color	D1500	4.5
Flash Point, °F	D92	436
Fire Point, °F	D92	451
Pour Point, °F	D97	+18
Viscosity, cSt. 100°F	D445	62.99
210°F		9.7
Viscosity, SUS 100°F	D445	292
210°F		57.5
Viscosity Index	D2270	145
Neutralization No., mg KOH/gm	D664	0.46
Copper Strip Corrosion 3 hours @ 212°F	D130	1
Evaporation Loss, wt% 22 hours @ 212°F	D972	1.6
<b><u>PermaWick Blend</u></b>	<b><u>ASTM Method</u></b>	<b><u>Typicals</u></b>
Fiber Content (Weight)	In-House	16±1.0%
Oil Content (Weight)	In-House	84±1.0%
Moisture Content	D95	<1.6%
Fiber Type	In-House	HH Type

**The World Leader in Fractional Horsepower Motor Lubrication**



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