



**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 PHC280  
REV. # 3  
REV. DATE: June 5, 2017

## **PHC280 OIL** **SLEEVE BEARING LUBRICANT**

### **DESCRIPTION**

PERMAWICK HYDRO-CRACKED (PHC) 280 OIL is formulated from a blend of Hydro-Treated paraffinic base stocks along with premium additives that provide improved protection against oxidation, rust, corrosion and wear. The hydro-treating process provides the high purity base oils that inherently have a wide operating range and low evaporation. PHC 280 oil and the PermaWick products made from it, maximizes FHP electric motor bearing life under a wide variety of conditions while providing excellent value.

### **PRODUCT FEATURES**

- Excellent Metal protection
- Outstanding anti-wear properties
- Low pour point and high VI
- Low volatility
- Good thermally and oxidative stability
- Useful temperature range: -20°C to 130°C

| <b><u>Performance Test</u></b>            | <b><u>ASTM Method</u></b> | <b><u>Typicals</u></b> |
|---|---------------------------|------------------------|
| Specific Gravity                          | D1298                     | 0.864                  |
| Color                                     | D1500                     | L 3.0                  |
| Flash Point, °C                           | D92                       | 219                    |
| Pour Point, °C                            | D97                       | -42                    |
| Viscosity, cSt. 40°C                      | D445                      | 58                     |
| 100°C                                     |                           | 8.9                    |
| Viscosity Index                           | D2270                     | 131                    |
| Neutralization No., mg KOH/gm             | D664                      | 1.5                    |
| Copper Strip Corrosion<br>3 hours @ 150°C | D130                      | 1a                     |
| Evaporation Loss, wt%<br>22 hours @ 210°F | D972                      | 0.3                    |
| Rust Test, distilled water                | D665A                     | Pass                   |
| Rust Protection, sea water                | D665B                     | Pass                   |
| Falex pin and Vee block (lb)              | D3233B                    | 2000                   |
| PDSC test (mins)                          | D6186                     | 39                     |