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PD PHC300  
 REV. # 1  
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**PHC300 OIL**  
**HYDRO-CRACKED LUBRICANT FOR SINTERED METAL BEARINGS**

**DESCRIPTION**

PERMAWICK HYDRO-CRACKED (PHC)300OIL is formulated from a blend of specialty Hydro-treated mineral base stocks along with premium additives that provide improved protection against oxidation, corrosion and wear. The hydro-treating process produces high purity base oils that can surpass the performance of traditional solvent refined mineral based oils.

PHC300 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**

- Extremely long life
- Low volatility
- Enhanced anti-wear protection
- Low Odor
- Low pour point and naturally high viscosity index
- Superior protection against oxidation
- Useful temperature range: -18°C to 105°C

<b><u>Performance Test</u></b>	<b><u>ASTM Method</u></b>	<b><u>Typicals</u></b>
Specific gravity	D1298	0.87
Color	D1500	0.5
Flash Point, deg C	D92	>240
Pour Point, deg C	D97	-35
Viscosity, Cst. 40°C	D445	68
100°C	D445	9.2
Viscosity Index	D2270	112
Neutralization No., mg KOH/gm	D664	1.0 max
Copper Strip Corrosion, 3 hours @ 100°C	D130	1a
Evaporation Loss, wt % 22 hours @ 210 deg F	D972	0.5 max
Rust Test (In distilled water)	D665A	Pass
Rust Test (In sea water)	D665B	Pass
Four ball Wear, 1500rpm, 1hr, 300N (mm)	D4172 (B)	0.35
RPVOT	D2272	1,100

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