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An ISO9001 Certified Company

PD PHC400

REV. # 2

REV. DATE: June 5, 2017

PHC400 OIL
HYDRO-CRACKED LUBRICANT FOR SINTERED METAL BEARINGS

DESCRIPTION

PERMAWICK HYDRO-CRACKED (PHC) 400 OIL is formulated from a blend of specialty Hydro-treated paraffinic 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 are able to surpass the performance of traditional solvent refined mineral based oils.

PHC 400 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: -20°C to 110°C

<u>Performance Test</u>	<u>ASTM Method</u>	<u>Typicals</u>
Specific Gravity	D1298	0.859
Color	D1500	0.5
Flash Point, °C	D92	246
Pour Point, °C	D97	-31
Viscosity, cSt. 40°C	D445	77
100°C		9.5
Viscosity Index	D2270	122
Neutralization No., mg KOH/gm	D664	1.5
Copper Strip Corrosion 3 hours @ 150°C	D130	1a
Evaporation Loss, wt% 22 hours @ 212°F	D972	0.5
Rust Test, distilled water	D665A	Pass
Rust Test, sea water	D665B	Pass
Falex Pin & Vee block, 15 mins, 900lbs	D2670	Pass
Wear prevention by four ball (scar, mm)	D4172	0.37
Rotating Pressure Vessel oxidation test (mins)	D2272	2085

The World Leader in Fractional Horsepower Motor Lubrication