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An ISO9001 Certified Company

PD SHC 220

REV. # 2

REV. DATE: June 15, 2017

SHC220 OIL

PAO/ESTER BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS

DESCRIPTION

PERMAWICK SHC220 OIL is a synthetic PAO and ester based lubricant formulated to resist oxidation and corrosion while minimizing wear. High viscosity index and low pour point indicate excellent low temperature fluidity (-35°C) while also providing protection at high temperatures (130°C).

PERMAWICK SHC220 OIL is optimized for function as an impregnating fluid for powdered metal bearings, parts and wicks and offers protection and reliability over the widest useful temperature range.

PRODUCT FEATURES

- Excellent oxidation resistance and corrosion protection
- Very low evaporation rate
- Good load carrying capacity
- Reduces friction for low-wear rates
- Outstanding film strength

<u>Performance Test</u>	<u>ASTM Method</u>	<u>Typicals</u>
Base Oil Composition	N/A	PAO/Ester
ISO VG	D2422	220
Density @ 20°C	D1298	0.870
Color	D1500	Straw Yellow
Flash Point, °C	D92	>260
Pour Point, °C	D97	-40
Viscosity, cSt. 40°C	D445	222.87
100°C		25.67
Viscosity Index	D2272	146.5
Copper Corrosion		
24 hours @ 100°C	D130	1a
Evaporation Loss, wt %		
22 hours @ 100°C	D972	0.01
Rust Protection		
3 hours, 60°C	D665B	Pass
RBOT, Oxidation test, mins	D2272	1750
Falex pin and Vee Block, 320Kg, 15 mins	D3233 (Modified)	Pass
Falex pin and Vee Block, step Test, lb	D2670	1750

The World Leader in Fractional Horsepower Motor Lubrication