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PWS 225

REV. #

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PWS225 Oil and PermaGel

DESCRIPTION

PERMAWICK PWS OILS have been formulated especially for **extremely high temperature** applications. **PWS225 oil and PermaGel is enhanced with special high temperature additives to increase the oils useful life.** In addition, these oils provide protection against oxidation, corrosion and wear. PERMAWICK PWS225 oil and gel was designed to be impregnated into sintered metal bearings where it could be utilized at temperatures up to 250°C. PWS225 also provides excellent chemical compatibility and low flammability.

PRODUCT FEATURES

- Extremely high temp applications not tolerated by Esters or PAO's
- Very long life
- Low evaporation
- Shear stable
- Low pour points and high viscosity index indicate excellent low temperature flow properties and therefore continued protection during periods of both low and high temperature operation.
- Cost effective choice to other higher priced high temperature oils

Performance Test PermaGel

	<u>ASTM Method</u>	<u>Typical</u>
Specific gravity	D1298	1.17
Color	D1500	Clear to light yellow
Appearance		Translucent Gel
Flash Point, °C	D92	285
Refractive Index (base oil)		1.44
Upper service Temp, °C	D97 (mod)	250
Lower Service Temp, °C	D97 (mod)	-40
Consistency	D217	NLGI #2 - 3

Performance Test for Oil

	<u>ASTM Method</u>	<u>Typicals</u>
Specific gravity	D1298	1.05
Color	D1500	Clear to light yellow
Flash Point, °C	D92	280
Ignition temp °C	D92	484
Pour Point, °C	D97	≤ -55
Viscosity, cSt. 40°C	D445	225
100°C		81.69
Viscosity Index	D2270	322

Accelerated thin film oxidation test, 250°C* 1200 hrs. or greater

Note: Life expectancy depends on a variety of factors such as the environment the motor is in and the bearing material composition

****Accelerated oxidation test is 2 grams oil in a petri dish**

Permawick Product Data Sheet

The World Leader in Fractional Horsepower Motor Lubrication