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PWS 115

REV. #4

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PWS115 Oil

DESCRIPTION

PERMAWICK PWS OILS have been formulated especially for **extremely high temperature** applications. In addition these oils provide protection against oxidation, corrosion and wear. PERMAWICK PWS115 oil was designed to be impregnated into sintered metal bearings where it could be utilized at temperatures up to 250°C PWS115 also provides excellent chemical compatibility, low flammability and low toxicity.

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

<u>Performance Test</u>	<u>ASTM Method</u>	<u>Typicals</u>
Specific gravity	D1298	0.99
Color	D1500	Clear and colorless
Flash Point, °C	D92	280
Ignition temp °C	D92	484
Pour Point, °C	D97	-70
Viscosity, cSt. 40°C	D445	71.40
100°C		31
Viscosity Index	D2270	386
Accelerated thin film oxidation test, 250°C*		600 hrs.
Standard oxidation test, 250°C**		1200 hrs.

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

*Standard oxidation test is 25grams of oil in 100ml beaker

**Accelerated oxidation test is 3grams oil in a petri dish

The World Leader in Fractional Horsepower Motor Lubrication

Permawick Product Data Sheet