



Permawick Company

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PWS 110
REV. #3
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PWS110 Oil

DESCRIPTION

PERMAWICK PWS OILS have been formulated especially for **extremely high temperature** applications. **PWS110 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 PWS110 oil was designed to be impregnated into sintered metal bearings where it could be utilized at temperatures up to 250°C. PWS110 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

ASTM Method

Typicals

Specific gravity	D1298	0.99
Color	D1500	Clear to light yellow
Flash Point, °C	D92	280
Ignition temp °C	D92	484
Pour Point, °C	D97	-70
Viscosity, cSt. 25°C	D445	115 – 125
40°C		72
100°C		31
Viscosity Index	D2270	386
Accelerated thin film oxidation test, 250°C*		1200 hrs.
Standard oxidation test, 250°C**		2500 - 3000 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



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