



Permawick Company

3110 Permawick Drive, Columbus, Indiana 47201

Phone: 812-376-0703 • Fax: 812-372-1410

sales@permawick.com

www.permawick.com

PWS 100
REV. #2
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PWS100 Oil

DESCRIPTION

PERMAWICK PWS OILS have been formulated especially for **extremely high temperature** applications. **PWS100 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 PWS100 oil was designed to be impregnated into sintered metal bearings where it could be utilized at temperatures up to 230°C. PWS100 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

Typical

Specific gravity	D1298	0.997
Color	D1500	Clear to light yellow
Flash Point, °C	D92	>315
Ignition temp °C	D92	>450
Pour Point, °C	D97	-60
Viscosity @ 40°C	D445	100.80
Viscosity @ 100°C	D445	37.44
Viscosity Index	D2270	>320
Accelerated thin film oxidation test, 230°C*		1200 hrs.
Standard oxidation test, 230°C**		≥ 2000 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