



255 East Brown Street, Ste 100, Birmingham, MI, 48009
 Phone: 248-433-3500 • Fax: 248-594-3433
 Email: sales@permawick.com
 http://www.permawick.com

PWS 500
 REV. #1
 REV. DATE: December 30, 2013

PWS500 Oil Thermal Silicone 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 PWS500 oil was designed to be impregnated into sintered metal bearings were it could be utilized at temperatures up to 250°C PWS500 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
- High viscosity index indicate a wide operating range, good 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
- Approximate useful temperature range -15°C to 250°C

Performance Test

ASTM Method

Typicals

Specific gravity	D1298	1.1
Color	D1500	Clear to Brown
Flash Point, °C	D92	300
Ignition temp °C	D92	487
Pour Point, °C	D97	-20
Viscosity, Cst. 25°C	D445	500
100°C		35
Viscosity Index	D2270	190.8