



Permawick Company

3110 Permawick Drive, Columbus, Indiana 47201

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

sales@permawick.com

www.permawick.com

PWS 68  
REV. #1  
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## PWS68 Oil

### DESCRIPTION

PERMAWICK PWS OILS have been formulated especially for **extremely high temperature** applications. **PWS68 is a conventional silicone oil enhanced with special high temperature additives to increase the oils useful life.** In addition these oils provide protection against oxidation and corrosion. PERMAWICK PWS68 oil was designed to be impregnated into sintered metal bearings were it could be utilized at temperatures up to 180°C. Brief temperature spikes up to 210°C can be tolerated. PWS68 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
- Recommended temperature range: -50 to 180°C
- 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	0.963
Color	D1500	Clear to light yellow
Flash Point, °C	D92	300
Refractive Index		1.402
Pour Point, °C	D97	-67
Viscosity, cSt. 40°C	D445	60
100°C	D445	25
Viscosity Index	D2270	>350
<b>Accelerated thin film oxidation test, 150°C*</b>		<b>&gt;3000 plus hrs.</b>

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 3grams oil in a petri dish