



255 East Brown Street, Birmingham MI 48009

Phone: 248-433-3500 • Fax: 248-433-1824

Email: sales@permawick.com

http://www.permawick.com

PD HT300

REV. # 3

REV. DATE: March 12, 2010

## HT300

### POLYOLESTER BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS

#### DESCRIPTION

PERMAWICK HT300OIL is a Polyolester based lubricant that is formulated for long life over a wide temperature range. As a medium viscosity grade lubricant, HT300 assures reliability under adverse operating conditions.

PERMAWICK HT300OIL is an excellent impregnating fluid for powdered metal bearings, parts and wicks as well as being a superior all around general purpose oil.

#### PRODUCT FEATURES

- Low evaporation rate
- Oxidation, corrosion, and rust resistant
- Outstanding film strength - prevents dry-running
- Reduced rate of change of viscosity with temperature
- Low pour point & high viscosity index indicate excellent low temp fluidity
- Useful temperature range: -40°C to 150°C

<u>PERFORMANCE TEST</u>	<u>ASTM METHOD</u>	<u>TYPICALS</u>
Gravity, API	D1298	9.0
Specific Gravity	D1298	1.007
Flash Point, °C	D92	280
Fire Point, °C	D92	316
Pour Point, °C	D97	-51
Viscosity, cSt	D445	
40°C		59.67
100 °C		11.24
Viscosity Index	D2270	185
Viscosity, SUS	D88	
100 °F		300
210 °F		65
Neutralization No., mg KOH/g	D664	0.01
Copper Strip Corrosion	D130	
3 hours @ 100 °C		1A
Evaporation Loss, wt. %	D972	
22 hours @ 98.9 °C		0.3
Four Ball wear, 1200 rpm	D2260	
75°C, 40 kg, hr., mm		0.8
Four Ball EP, weld point, kg	D2783	126