



**PermaWick Company**  
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**An ISO9001 Certified Company**

PD 284 PERMAWICK

REV. # 3

REV. DATE: May 17, 2017

## **284 MINERAL OIL AND PERMAWICK SINTERED METAL BEARING LUBRICANT**

### **DESCRIPTION**

PERMAWICK 284 OILS are formulated to provide superior performance for sleeve bearings. Solvent extracted and hydro-treated base stocks were selected to give greater oxidation stability and a higher viscosity index. Special oxidation inhibitors have been added to counteract varnish and sludge formation while select anti-wear additives protect against rust, corrosion and wear.

PERMAWICK 284 OILS carry greater loads under a wider temperature range than any other product and are considered the "INDUSTRY STANDARD" for bearing lubrication during demanding conditions.

### **PRODUCT FEATURES**

- Extremely long life
- Excellent gear and bearing wear protection
- Low ash
- Shear stable
- Superior low temperature fluidity properties
- Continued protection during periods of high temperature operation
- Useful temperature range: -20°F to 200°F

<b><u>Performance Test: Oil</u></b>	<b><u>ASTM Method</u></b>	<b><u>Typicals</u></b>
Gravity, API	D1298	29.8
Specific gravity	D1298	0.87
Color	D1500	3.0
Flash Point, °F	D92	400
Fire Point, °F	D92	400
Pour Point, °F	D97	-40
Viscosity, cSt. 40°C	D445	79.0
100°C		10.7
Viscosity, SUS 100°F	D445	405
210°F		60-65
Viscosity Index	D2270	117
Neutralization No., mg KOH/gm	D664	1.5 max
Copper Strip Corrosion, 3 hours @ 212°F	D130	1C max
Evaporation Loss, wt% 22 hours @ 210°F	D972	1.0 max
Zinc wt. %		0.045
Phosphorus wt. %		0.050
Sulfur wt. %		0.400

**The World Leader in Fractional Horsepower Motor Lubrication**



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**Performance Test: PermaWick Blend**

Fiber Content (Weight)  
Oil Content (Weight)  
Moisture Content (Weight)

**Method**

In-House  
In-House  
D95

**Typicals**

14% - 19%  
86% - 81%  
<1.6%

**PermaWick Product Data Sheet**

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