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PD 284  
 REV. # 3  
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## 284 MINERAL OIL SLEEVE 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 provide the ULTIMATE in performance for sleeve bearings and are definitely the "INDUSTRY STANDARD" in bearing lubrication.

### 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 to 200 °F.

<u>PERFORMANCE TEST</u>	<u>ASTM METHOD</u>	<u>TYPICALS</u>
Gravity, API	D1298	29.8
Specific gravity	D1298	0.87
Color	D1500	3.0
Flash Point, °C (°F)	D92	213 (415)
Fire Point, °C (°F)	D92	249 (480)
Pour Point, °C (°F)	D97	-40 (-40)
Viscosity, cSt	D445	
40 °C		79
100 °C		10.7
Viscosity Index	D2270	117
Viscosity, SUS	D445	
100 °F		405
210 °F		60-65
Neutralization Number, mg KOH/gm.	D664	1.5 max
Copper Strip Corrosion	D130	
3 hours @ 212 °F		1C max
Evaporation Loss, %	D972	
22 hours @ 210 °F		1.0 max
Rust Protection	D665 A and B	Pass

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