



255 E. Brown Street, Suite 100, Birmingham MI 48009

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

Email: [sales@permawick.com](mailto:sales@permawick.com)

<http://www.permawick.com>

PD 284-NP-840

REV. # 5

REV. DATE: April 28, 2015

## 284NP84.0

### 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, and anti-corrosion 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 to 100 °C.

#### PERFORMANCE TEST FOR OIL

#### METHOD

#### TYPICALS

Gravity, API	D1298	29.8
Specific gravity	D1298	0.87
Color	D1500	3.0
Flash Point, °C	D92	213
Fire Point, °C	D92	249
Pour Point, °C	D97	-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

#### 284NP84.0 BLEND

#### METHOD

#### TYPICALS

Fiber content (% Weight)	In-house	13% – 15%
Oil Content (% weight)	In-House	84%±1.0
Moisture Content	D95	<1.6%