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An ISO9001 Certified Company

PD 280 NP
 REV. # 44
 REV. DATE: May 17, 2017

280 NP
SINTERED METAL BEARING LUBRICANT

DESCRIPTION

PERMAWICK 280 OILS are formulated from a blend of paraffinic base oils and additives that provide protection against oxidation, rust, corrosion and wear. With a special oxidation inhibitor, the oils resist varnish and sludge formation. PERMAWICK mineral oils carry greater loads under a wider temperature range than any comparable product.

PERMAWICK 280 oil is combined with slow release precision engineered fibers to provide the ULTIMATE in performance for sintered metal bearings resulting in the leading "INDUSTRY STANDARD" for 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°F to 200°F

<u>Performance Test: Oil</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 (478)
Pour Point, °C (°F)	D97	-40 (-40)
Viscosity, cSt. 40°C	D445	56.7
100°C		8.6
Viscosity, SUS 100°F	D445	290
210°F		57
Viscosity Index	D2270	125 min.
Neutralization No., mg KOH/gm	D664	1.5 max
Copper Strip Corrosion, 3 hours @ 212° F	D130	2.0 max
Evaporation Loss, wt% 22 hours @ 210° F	D972	1.0 max
E.P. by Falex pin & vee block (lb)	D3233B	2000
PDSC test (mins)	D6186	39
<u>Performance Test: Permawick Blend</u>	<u>Method</u>	<u>Typicals</u>
Fiber Content (Weight)	In-House	14% - 19%
Oil Content (Weight)	In-House	86% - 81%
Moisture Content	D95	<1.6%

The World Leader in Fractional Horsepower Motor Lubrication