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An ISO9001 Certified Company
 PD 420-NPW20-840
 REV. # 1
 REV. DATE: October 6, 2021

**420-NPW20-840 MINERAL PERMAWICK
 LUBRICANT FOR SINTERED METAL BEARINGS**

DESCRIPTION

420-NPW20-840 is an API category SM lubricant formulated to provide superior performance for sleeve bearings. Solvent extracted and hydrotreated 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.

NPW fiber is blended with 420 oil to provide greater injectability and minimize applications that maybe leak prone. **420-NPW20-840** is 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°C to 100°C

<u>Performance Test</u>	<u>ASTM Method</u>	<u>Typicals</u>
Specific gravity	D1298	0.867
Color	D1500	Amber
Flash Point, °C	D92	220
Fire Point, °C	D92	250
Pour Point, °C	D97	-40
Viscosity, cSt. 40°C	D445	89.72
100°C		13.02
Viscosity Index	D2270	144
Neutralization No., mg KOH/gm	D664	2.66
Total Base Number	D974	6.05
Copper Strip Corrosion, 3 hours @ 100°C	D130	1a
Evaporation Loss, wt% 22 hours @ 210°F	D972	1.0 max
Falex Pin and Vee Block	D3233B	1500
CCS @ -20°C mPa.s	D5293	4050
Fiber content (Weight)	In-house	17% ±1%
Oil Content (weight)	In-House	84% ±1%
Moisture Content	D95	<1.6%

The World Leader in Fractional Horsepower Motor Lubrication

PermaWick Product Data Sheet