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An ISO9001 Certified Company

PD 420
 REV. # 3
 REV. DATE: March 7, 2019

420 MINERAL OIL
LUBRICANT FOR SINTERED METAL BEARINGS

DESCRIPTION

PERMAWICK 420 Oil 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.

PERMAWICK 420 OIL carries greater loads under a wider temperature range than any other product and 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

The World Leader in Fractional Horsepower Motor Lubrication