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An ISO9001 Certified Company

PD AR456

REV. #4

REV. DATE: July 11, 2019

AR456 NP

POLYOLESTER BASED SYNTHETIC LUBRICANT FOR SINTERED METAL BEARINGS

DESCRIPTION

AR456 NP is a synthetic diester based lubricant formulated into an oil / fiber blend that resists gumming and rpm fluctuations and minimize wear. High viscosity index and low pour point indicate excellent low temperature fluidity (-35°C) while providing protection at high temperatures (150°C).

AR456 NP offers protection and reliability over the widest useful temperature range

PRODUCT FEATURES

- Excellent oxidation resistance and corrosion protection
- Very low evaporation rate
- Moderate load carrying
- Reduces friction for low-wear rates
- Outstanding film strength
- Plastic compatible

APPLICATIONS

- Office, business and computer equipment
- Impregnating fluid for powered metal bearings, parts and wicks
- Anti-friction bearings
- Wire extrusion oil
- Measuring and dispensing pumps and meters
- Mechanical spring and actuator mechanisms
- General purpose medium viscosity lubricant

<u>Performance Test</u>	<u>ASTM Method</u>	<u>Typical Value</u>
ISO VG	D2422	32
Specific gravity	D1298	0.94
Flash Point, °C	D97	232
Pour Point, °C	D92	-55
Viscosity, cSt.	D445	-30°C
		40°C
		100°C
Viscosity Index	D2270	228
Neutralization No., mg KOH/gm	D664	2.66
Copper Strip Corrosion,	D130	24 hours @ 100°C
		1a
Four Ball wear, 1200rpm, 75°C, 40Kg, 1hour, mm	D2266	0.4
<u>Performance Test: PermaWick Blend</u>	<u>ASTM Method</u>	<u>Typical Values</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