NYE SYNTHETIC OIL 2001

Anti-wear fortified

A multiply alkylated cyclopentane oil intended for bearings, disk drives, and aerospace applications. Fortified for reduced friction and ultrafiltered for precision applications.

The SmartGrease Company

Lubricant Properties				Typical Value	Test Method
Recommended Service Range (°C)				- 45 to 125	
Color, Appearance				-	
Base Oil	Type			MAC	
	Kinematic Viscosity cSt (mm^2/s)	100°C		14.3	ASTM D-445
		40°C		106.7	
		-40°C		80,500	
	Viscosity Index			137	ASTM D-2270
	Flash Point (°C)			300	ASTM D-92
	Fire Point (°C)			348	
	Pour Point (°C)			- 55	ASTM D-97
Evaporation	6.5 hours	204°C		-	ASTM D-972
	24 hours	100°C		0.04 %	
Density	gm/cc	25°C		0.844	ASTM D-1480
Refraction Index		25°C		1.4680	ASTM D-1218
Neutralization #		mg KOH/g		0.10	ASTM D-974
Copper Corrosion	24 hours	100°C		-	ASTM D-4048
4 Ball Wear	60 min., 1200 RPM 40 kg. load	75°C		0.34 mm	ASTM D-2266
		150°C		-	
Oxidative Stability	168 hours	100°C			FTM 5308
	Viscosity Change	40°C		0.12 %	
	Neutralization Change	mg KOH/g		None	
	Evaporation Loss			0.22 %	
	Final Appearance			-	
	Metal Weight Loss mg/cm^2		Nickel	-	
			Aluminum	-	
			Copper	-	
			Brass	0.2 mg	
			Bronze	-	
			Steel	0.1 mg	
Coefficient of Thermal Expansion			cc/cc/°C	0.0008	ASTM D-1903
Vapor Pressure				See Figure 1	

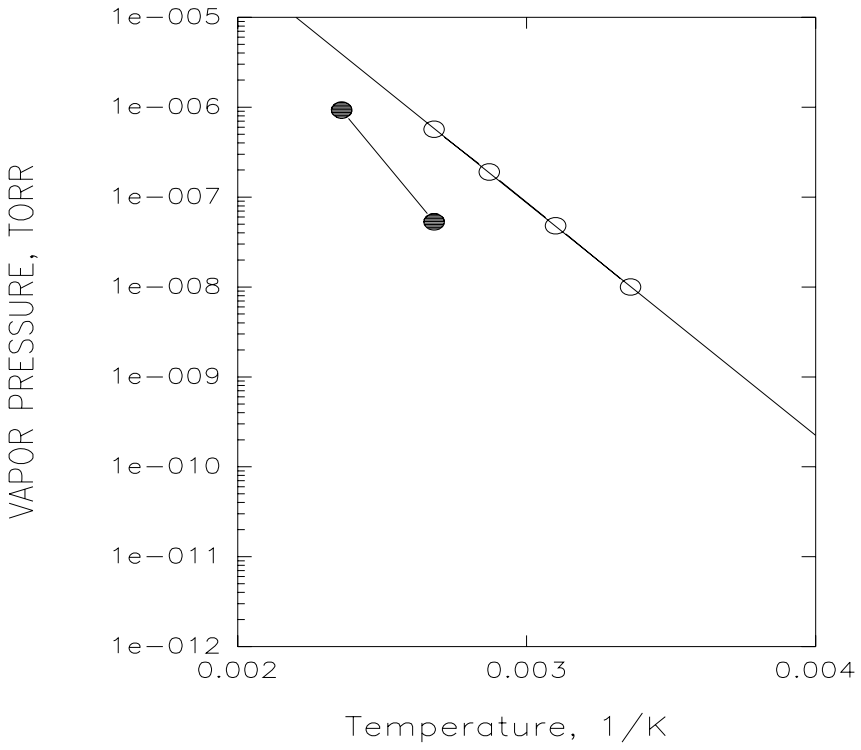
The export of this product is restricted. Please contact Nye Lubricants. Inc. for specific information.

The typical properties shown on this product data sheet should not be used as a basis for preparing specifications. Refer to our product Material Safety Data Sheet for detailed safety information. (0707)

Nye Lubricants, Inc. 12 Howland Road, Fairhaven, MA 02719 USA Ph: 1.508.996.6721 Fx: 1.508.997.5285 **nyelubricants.com**

Nye Synthetic Oil 2001

Figure 1



○ Synthetic Oil 2001

Calculated Vapor Pressure at 25C = 1.0 x 10−8 Torr

● Synthetic Oil 2001A

Calculated Vapor Pressure at 25C = 3.0 x 10−11 Torr

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