



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	
	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	

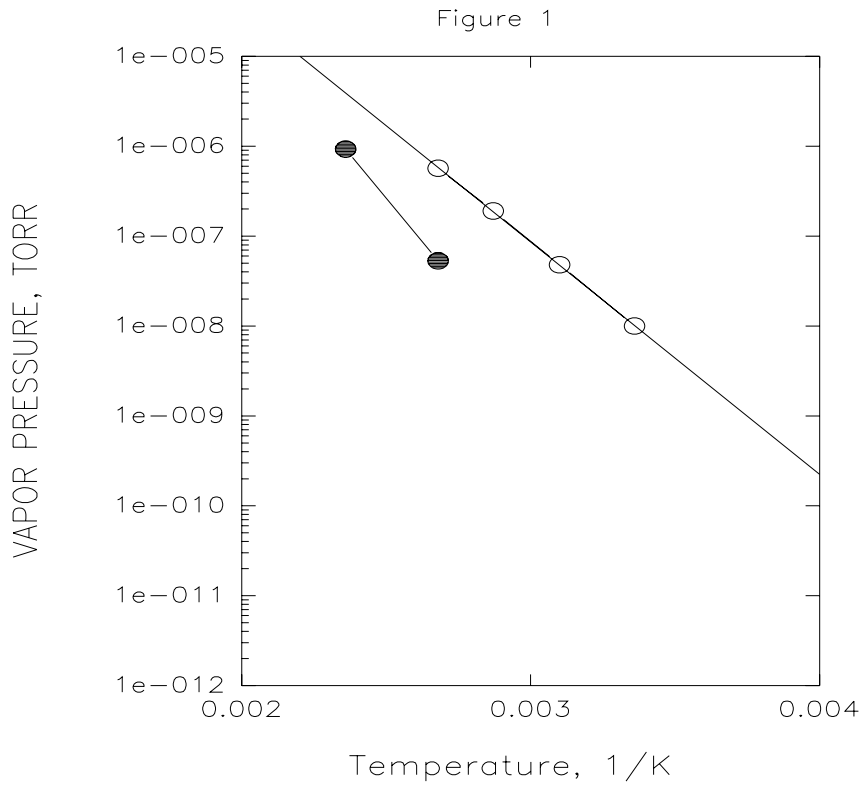
The export of this product is restricted. Please contact Nye Lubricants, Inc. for specific information.

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)

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Nye Synthetic Oil 2001



○ Synthetic Oil 2001

Calculated Vapor Pressure at 25C = 1.0×10^{-8} Torr

● Synthetic Oil 2001A

Calculated Vapor Pressure at 25C = 3.0×10^{-11} Torr