



TECHNICAL DATA SHEET

NOVATEMP™ HIGH TEMP LUBRICANT

Novatemp™ is designed to lubricate bushings and other sliding components at high temperatures.

At high temperatures the solids in Novatemp™ take over as the fluid carrier portion evaporates. Novatemp™ contains almost 15% lubricating solids. Long after the base oil has evaporated due to heat, the MoS₂ and graphite provide a laminating film that protects sliding machine elements. Novatemp™ loses its "greasiness" and becomes a dry film lubricant.

Novatemp™ provides this extra measure of lubrication without the use of lead.

Although it has the appearance of a normal bearing grease, Novatemp™ is not ideal for use on precision roller or ball bearings with internal clearance C2 or CN. The high proportion of solid lubricants can be a detriment for precision bearings. For these anti-friction bearings, use Whitmore's Matrix® high performance grease.

BENEFITS:

- **HIGH TEMPERATURE PERFORMANCE** - fluid carrier dissipates at elevated temperatures, depositing a protective film of solid lubricants on moving parts. It protects at temperatures up to 1200°F (650°C) in the dry lubricant phase.
- **ALUMINUM COMPLEX SOAP THICKENER** - may be used to lubricate sliding component at normal ambient, as well as high temperatures.
- **SOLID FILM LUBRICANTS** - MoS₂ and graphite plate out on metal surfaces, reducing metal-to-metal contact and wear.

APPLICATIONS:

Novatemp™ is recommended for the lubrication of bearings and bushings that operate at temperatures up to 1200°F (650°C). Typical applications include kiln car wheel bearings, oven door hinges, threaded fittings, oven conveyors and furnace bearings. Use only in bearings designed for high temperature application, with internal clearance C3 or greater.

ASTM #		TYPICAL CHARACTERISTICS
	Grade	1.5
D-217	Cone Penetration (Worked)	290-320
D-2265	Dropping Point, °F (°C)	>550 (>260)
D-445	Kinematic Viscosity (Base Oil)	
	cSt @ 40°C	490
	cSt @ 100°C	32
D-2161	Saybolt Viscosity (Base Oil)	
	SUS @ 100°F	2,600
	SUS @ 210°F	156
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	7.50
	Specific Gravity, g/cc @ 60°F (15.5°C)	0.901
D-2266	Four Ball Wear	
	Scar Width, mm	0.70
D-1743	Rust Test	Pass
D-4048 (Modified)	Copper Strip Corrosion for Greases	1B
	212°F (100°C) @ 3 hrs	
	Thickener Type	Aluminum Complex
OEM Standard	Low Temperature Pumpability	
	Lincoln Ventmeter @ 400 psi, °F (°C)	10 (-12)
D-92	Flash Point, °F (°C)	>580 (>304)
	Cleveland Open Cup (Base Oil)	
	Solid Lubricants	MoS ₂ /Graphite

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Drums	Kegs	Pails	Cartridges 50 per case
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THE WHITMORE MANUFACTURING COMPANY

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