

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. This dry phase is suitable for lubrication of bushings, valves and other sliding components.

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 at any temperature. 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.
- **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.
- **WIDE OPERATING RANGE** - protects in temperatures ranging from 10°F (-12°C) to 750°F (399°C).

APPLICATIONS:

Recommended for the lubrication of bushings and slides that operate at temperatures up to 750°F (399°C). Typical applications include kiln car wheel bearings, oven door hinges, threaded fittings, oven conveyors, steel mill, forging and high temperature applications other than anti-friction bearings.

ASTM #		TYPICAL CHARACTERISTICS
D-217	Grade	1.5
D-2265	Cone Penetration (Worked)	290-320
D-445	Dropping Point, °F (°C)	>550 (>260)
	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
D-2266	Specific Gravity, g/cc @ 60°F (15.5°C)	0.901
	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	
D-92	Lincoln Ventmeter @ 400 psi, °F (°C)	10 (-12)
	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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Performance Under Pressure Since 1893

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