

Semi Fluid Gear Box Grease



Semi Fluid Gear Box Grease is a specialized NLGI 000 lubricant designed for gearboxes where traditional oil lubrication is impractical or results in leakage. Combining the flow of oil with the staying power of grease, it provides reliable extreme pressure protection and dramatically reduces lubricant loss in worn or difficult-to-seal systems.

NLGI 000 SEMI-FLUID FORMULATION

Formulated with ISO 460 base oil and an aluminum complex thickener, Semi Fluid flows into gear contact areas like oil while resisting leakage through worn or improperly sealed housings. Its EP additive system delivers a 60 lb. Timken load rating and 315 kg Four Ball weld point for strong protection under high-load conditions.

PRIMARY APPLICATIONS

Semi Fluid Gear Box Grease is the practical solution for leaky gearbox problems:

- Gearboxes where oil lubrication is impractical or causes chronic leakage
- Low speed, sealed, or intermittently operated gear systems
- Small gear reducers and worm gearboxes
- Enclosed gear units in difficult mounting orientations
- Applications where lubricant retention and reducing leakage are critical

KEY BENEFITS

- Significantly reduces leakage in worn or sealed gearboxes
- Flows into all gear contact areas, then resists leakage
- Extreme pressure protection – 60 lb. Timken load rating
- Reduces maintenance of hard-to-service equipment
- Excellent corrosion protection for harsh environments
- Compatible with low-speed and shock-load gear applications

FLOWS LIKE OIL, STAYS LIKE GREASE

The NLGI 000 consistency allows Semi Fluid to flow into all gear contact areas like conventional oil, while its aluminum complex thickener provides enough body to resist leakage through worn seals and gaskets.

EFFECTIVE SOLUTION FOR LEAKING GEARBOXES

Where conventional oil constantly leaks due to worn seals or difficult mounting orientations, Semi Fluid Gear Box Grease offers a practical, proven alternative that dramatically reduces lubricant loss and maintenance.

STRONG EXTREME PRESSURE PROTECTION

Formulated with ISO 460 base oil and a robust EP additive system, it delivers a 60 lb. Timken load rating and 315 kg Four Ball weld point – protecting gears under shock-load and sustained-load conditions.

ALUMINUM COMPLEX THICKENER STABILITY

The aluminum complex thickener provides excellent mechanical stability, water resistance, and thermal capability – ensuring the grease maintains its consistency and protective properties throughout the full-service interval.

REDUCES MAINTENANCE AND DOWNTIME

By significantly reducing lubricant loss, Semi Fluid extends service intervals and reduces the frequency of refilling, inspecting, and servicing gearboxes – lowering overall maintenance costs and minimizing disruption.

CORROSION PROTECTION IN HARSH ENVIRONMENTS

Its corrosion-inhibiting additives protect gearbox internals from rust and chemical attack, making it suitable for steel mills, paper mills, cement plants, and outdoor industrial installations.

Typical Physical & Performance Characteristics

Property / Test Method	Result
NLGI Grade	000 (Triple Zero)
Thickener Type	Aluminum Complex
Thickener Content, %, ASTM D-128	2–3
Color	Red
Texture	Smooth & Tacky
Cone Penetration, Unworked, ASTM D-217	445–475
Kinematic Viscosity @ 40°C, cSt, ASTM D-445	460
Viscosity Index, ASTM D-445	95
Flash Point, °F, ASTM D-92	430
Fire Point, °F, ASTM D-92	470
Timken OK Load, lbs., ASTM D-2509	60
Four Ball – Weld Point, kg, ASTM D-2596	315
Four Ball – Wear Scar, mm, ASTM D-2266	0.45
Corrosion Test, ASTM D-665	Pass
Copper Corrosion, ASTM D-4048	1B

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