

V-360

Coupling Grease



V-360 Coupling Grease is a high-performance lithium-polymer thickened lubricant specifically formulated for long-term lubrication of gear, chain, and grid mechanical couplings. It minimizes oil separation – the leading cause of coupling lubricant failure – performing reliably at speeds up to 15,000 RPM across a temperature range of 14°F to 220°F.

DUAL LITHIUM-POLYMER THICKENER TECHNOLOGY

V-360 utilizes a dual lithium-polymer thickener system that significantly reduces oil separation even under high-speed centrifugal forces, confirmed by ASTM D-4425 testing at speeds up to 15,000 RPM. Combined with a high-viscosity base oil and robust EP additive package, this technology ensures consistent lubrication delivery for all coupling types.

PRIMARY APPLICATIONS

V-360 is specifically designed for coupling applications across industries:

- Gear, chain, and grid couplings from Fast's, Falk, Lovejoy, TB Wood's, and Browning
- High-speed industrial coupling systems up to 15,000 RPM
- Slow-moving, heavily loaded bushings and wire ropes
- Applications where water contamination is present
- Not recommended for rolling element bearings

KEY BENEFITS

- Minimizes oil separation — the top cause of coupling failure
- Extended lubrication life with significantly reduced maintenance
- Protects against abrasive wear from high-frequency coupling motion
- Reliable at high speeds (to 15,000 RPM) and under heavy load
- Consistent protection across a wide temperature range – usable from -20°F to 300°F (-30°C to 150°C)
- Excellent water resistance for wet or contaminated environments

MINIMAL OIL SEPARATION AT HIGH SPEEDS

V-360's dual thickener system delivers exceptional resistance to oil separation – even at centrifugal speeds up to 15,000 RPM. This addresses the number one cause of coupling lubricant failure and significantly extends service intervals.

ROBUST EXTREME PRESSURE PROTECTION

An advanced anti-wear and EP additive system, combined with a high-viscosity base oil, provides strong film protection against the abrasive, high-frequency rubbing motion inherent to industrial coupling operation.

WIDE TEMPERATURE RANGE PERFORMANCE

Reliable performance from -20°F to 300°F (-30°C to 150°C) makes V-360 suitable for both indoor and outdoor coupling applications across a full range of operating environments and seasonal temperature swings.

EXCELLENT WATER RESISTANCE

V-360 resists water contamination and maintains its protective properties in wet or humid environments – ideal for couplings in washdown areas, outdoor installations, or applications where moisture is present.

COMPATIBLE WITH ALL MAJOR COUPLING TYPES

Engineered for gear, chain, and grid couplings of all sizes, V-360 meets the lubrication requirements of couplings from Falk, Lovejoy, TB Wood's, Browning, and other major manufacturers.

EXTENDED SERVICE LIFE

By dramatically reducing oil separation and providing stable, long-lasting lubrication, V-360 extends relubrication intervals – thus reducing labor costs and minimizing the risk of lubrication-related coupling failure.

Typical Physical & Performance Characteristics

Property / Test Method	Result
NLGI Grade	1
Thickener Type	Lithium and Polymer
Cone Penetration, Worked, ASTM D-217	331
Dropping Point, °F (°C), ASTM D-2265	480 (249)
Kinematic Viscosity (Base Oil), cSt @ 40°C, ASTM D-445	390.0
Kinematic Viscosity (Base Oil), cSt @ 100°C, ASTM D-445	27.5
Density, lb./gal @ 60°F	7.48
Specific Gravity, g/cc @ 60°F	0.89
Timken OK Load, lb., ASTM D-2509	>40
Four Ball EP – Weld Point, kg, ASTM D-2596	315
Four Ball EP – Load Wear Index, kg, ASTM D-2596	46
Four Ball Wear – Scar Width, mm, ASTM D-2266	0.50
Water Spray-Off, % Loss, ASTM D-4049	2.9
Rust Test, ASTM D-1743	Pass
Copper Strip Corrosion @ 12°F, 3 hrs., ASTM D-4048 (Mod.)	1B
Low Temp Pumpability – Lincoln Ventmeter, °F (°C)	28 (-2)
Oil Separation – Kopper K36 @ 24 hrs., %, ASTM D-4425	<1
Oxidation Stability, psi drop, ASTM D-942	<5

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