Lube Control Pty Ltd

Product Information

Wirelife® Almasol® Coating Grease (453-451)

Tacky Grease Resists Water, Protects Moving Parts

Wirelife® Almasol® Coating Grease is a soft, semifluid formulation designed to coat wire rope as well as moving chain and cable parts to ensure long life and smooth, quiet operation. Its tacky, water-resistant characteristics enable it to adhere strongly to rapidly moving parts and to seal out damaging moisture. Available in three NLGI grades, Wirelife Almasol Coating Grease contains Almasol, LE's exclusive wear-reducing additive that protects against premature wear and shields metal against corrosive attack.

Beneficial Qualities

Wear Reduction & Corrosion Protection

- Lubricates and reduces wear to wire rope and to all moving parts, including chains (links, pins, bushings) and cables (sheave bushings and bearings, cable strands)
- Protects wear-intensive areas such as chain sprockets and cable sheaves
- Lessens resistance when surfaces slide over one another, ensuring cooler operation
- Seals all surfaces, protecting against rust and corrosion
- Shields against acid attack

Tackiness & Water Resistance

- Clings tightly to pin, bushing or bearing surfaces
- Resists sling-off; keeps work area clean
- Stays in place in presence of steam and moisture for long service life
- Increases service intervals, requiring less lubricant to be used

Smooth, Quiet Operation

- Enables metal joints and strands to move freely
- Softens shocks with its full-bodied, semifluid properties

Versatility

- Excellent for wire rope, cables, open or enclosed silent chains and roller chains, as well as chain links, pins, bushings and cable sheave bearings
- Also works great for small, slow-turning gearboxes in which operating temperatures are relatively low (less than 71°C/160°F) and a semifluid grease is required
- Meets USDA H2 criteria for nonfood contact areas of food processing

Available Grades

- NLGI 0 (453)
- NLGI 00 (452)
- NLGI 000 (451)

Proprietary Additive

LE's proprietary additives are used exclusively in LE lubricants. Wirelife Almasol Coating Grease contains Almasol.

Almasol® wear-reducing additive attaches itself to metal surfaces in a single microscopic layer, yet will not build on itself or affect clearances. It possesses tremendous load-carrying capacity, is impervious to acid attack and minimizes metal-to-metal contact and the resulting friction and wear. When added to LE lubricants, it provides a level of protection available with no other lubricant.

Asset Reliability Solutions™

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Technical Data

Wirelife® Almasol® Coating Grease

	453	452	451
Thickener Type	Calcium	Calcium	Calcium
Texture	Stringy	Stringy	Stringy
Color	Red/Gold	Red/Gold	Red/Gold
NLGI Grade	0	00	000
Unworked Penetration ASTM D217	370	415	460
Dropping Point °C (°F), ASTM D2265	82 (180)	82 (180)	82 (180)
Base Fluid Characteristics			
Flash Point °C (°F) (COC), ASTM D92	203 (397)	204 (399)	204 (399)
Viscosity @ 100°C (212°F), cSt, ASTM D445	11.70	11.70	11.70
Viscosity @ 40°C (104°F), cSt, ASTM D445	144.0	144.0	144.0
Pour Point °C (°F), ASTM D97	-9 (15)	-9 (15)	-9 (15)

Performance Requirements Met or Exceeded
- USDA H2

Recommendations
- Typical operating range is -29°C to 77°C (-20°F to 170°F)
- Not for high temperature use or when gear oil is specified

Typical Applications
- Wire rope
- Chain links
- Pins
- Bushings
- Cable sheave bushings
- Cables
- Open and closed silent and roller chains
- Small, slow-turning gearboxes that require a semifluid lubricant

Approved for Use with Viper Wire Rope Lubricator

Documented use of Wirelife Almasol Coating Grease (452 or 453) will double the warranty period of the Viper Wire Rope Lubricator to 24 months.

Wirelife® and Almasol® are registered trademarks of Lubrication Engineers, Inc.

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LE operates under an ISO 9001 Certified Quality System.