



Wirelife® Almasol® Coating Lubricant (2002)

Self-Healing Fluid Seals & Protects Surfaces

Wirelife® Almasol® Coating Lubricant (2002) is a fluid wire rope lubricant that provides a tough outer coating to seal and protect against fretting corrosion, wear and rust – even under extreme load and moisture. It seals and protects better than any product available. When used in conjunction with Wirelife Monolec® Penetrating Lubricant, maximum protection and wear reduction is achieved.

In addition to its primary function as a coating, it also provides moderate penetration – depending on the tightness of tolerances and the temperature when applied. It contains a petroleum solvent to enhance its ability to penetrate. The solvent evaporates, leaving behind a self-healing, nontacky, protecting film that is highly resistant to wash-off from both fresh and salt water.



Beneficial Qualities

Durable Coating

- Protects from water washing, exposure and acid
- Repels dirt and prevents buildup of abrasive or corrosive particles
- Does not drip, run or sling off during application or in use

High Load-Carrying Capacity & Smooth Operation

- Has excellent extreme pressure characteristics
- 60-lb Timken OK load is among the highest of available wire rope lubricants
- Prevents snatching of wire rope and sheaves
- Protects sheaves, drums, pins and rollers from excessive wear
- Protects against fretting wear, a major cause of wire rope failures

Rust & Corrosion Protection

- Performs well in marine environments
- Provides outstanding rust protection and is an excellent metal preservative for all types of equipment
- Requires just a single application to prevent rust on steel parts in long-term storage

Wide Temperature Range

- Performs well and remains flexible in a broad temperature range
- Does not drip in hot weather or chip in cold

Safe & Easy Application

- Requires no heating or melting prior to application
- Can be sprayed on with automatic equipment or hand-applied with a brush
- Is also available in aerosol cans, which contain no chlorofluorocarbons

Proprietary Additive

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



Wirelife® Almasol® Coating Lubricant

	<u>2002</u>
Color	Brown
Viscosity-Brookfield @ 25°C (77°F) as applied, cP, ASTM D2983	2,000-5,000
Flash Point °C (°F) as applied	60 (140)
Pour Point °C (°F) as applied	9 (49)
Copper Corrosion 3 hrs @ 100°C (212°F), ASTM D130	1b
Oxidation drop in psi @ 100 hrs, ASTM D942	6
Falex Pin & Vee Block EP lbf, ASTM D3233	3,750+
Timken OK Load lbs, ASTM D2782	60
Four-Ball EP Weld Point kgf, ASTM D2783	400
Four-Ball EP Load Wear Index kgf, ASTM D2783	56
Four-Ball Wear @ 75°C (167°F), 1,200 rpm, 40 kgf, 60 min, mm wear, ASTM D4172	0.43
Humidity Cabinet days*, ASTM D1748	60+
Salt Spray days*, ASTM B117	60+
Immersion Test (5% salt water), days*	100+

*Dry coating thickness = 4 to 5 mils

Typical Applications

- Mining and construction
 - Standing and running lines
 - Draglines, cranes and derricks
- Marine environment
 - Cranes, hoists and drilling rigs
- Rust preventative
 - Any metal in harsh environments
 - Metal equipment parts in long-term storage



Caution

Contains a combustible petroleum solvent

- Use with adequate ventilation
- Keep containers tightly closed when not in use
- Consult MSDS for further information

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