



TECHNICAL DATA

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#199 SILVER STREAK® WIRE ROPE LUBRICANT

Silver Streak® Wire Rope Lubricant is a heavy duty extreme pressure lubricant that is specially formulated to provide extended service life over a wide range of temperatures to all types of wire ropes common to the mining, construction and marine industries.

Silver Streak® Wire Rope Lubricant is compounded from a blend of high viscosity index paraffin base oils, synthetic base oils and penetrating oils. These oils were selected for their strong adhesive and film forming characteristics, exceptional wetting and fast penetrating abilities, and exceptional chemical stability. Also the high viscosity index of these oils assures that Silver Streak® Wire Rope Lubricant will not harden at low ambient temperatures or become thin and run at high ambient temperatures.

Blended into these oils is a special additive package which allows Silver Streak® Wire Rope Lubricant to provide:

1. Excellent anti-wear and extreme pressure protection to reduce metal to metal contact between the wires during operation.
2. Rust and corrosion protection within the core, adjacent wires and exterior surfaces.

Further blended into Silver Streak® Wire Rope Lubricant is a combination of molybdenum disulfide and various solid lubricants. This combination of molybdenum disulfide and various lubricants not only fortifies the film strength, but also improves the anti-wear and extreme pressure characteristics of Silver Streak® Wire Rope Lubricant beyond those of conventional or asphaltic wire rope lubricants. By fortifying Silver Streak® Wire Rope Lubricant's film strength and improving the anti-wear and extreme pressure characteristics, friction and wear is significantly reduced between the rope strands and to the sheaves and drums over which the ropes are drawn.

The penetrating oils present in Silver Streak® Wire Rope Lubricant allow the combination of molybdenum disulfide and various solid lubricants to penetrate the inner wire rope core. This penetration of the wire rope core provides not only increased wear protection but also allows for the lubrication of these vital parts of the wire rope.

Silver Streak® Wire Rope Lubricant contains a combustible non-chlorinated solvent that optimizes the viscosity of the product as it evaporates. The evaporation of this solvent allows Silver Streak® Wire Rope Lubricant to rapidly form a weather resistant protective coating while still allowing for rapid penetration of the wire rope.

Continued on Next Page

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Silver Streak[®] Wire Rope Lubricant provides the following performance advantages:

1. Significant reduction in fretting corrosion of the wire rope.
2. Rapid penetration to the inner core of the wire rope.
3. Excellent load carrying capabilities.
4. Excellent resistance to water washout and water spray-off.
5. Resistance to corrosion by acids or alkaline based materials
6. Excellent resistance to the corrosive effects of salt water.
7. Resistance to the adhering of dirt or dust.
8. Rapid displacement of moisture.
9. Formation of a tough pliable film that is highly resistant to chipping and peeling in cold weather and resistant to drying out with heat and age.
10. The formation of a non-tacky surface that resists adhering of dirt and abrasives.
11. Adhesiveness to prevent throw-off and sling off due to vibration or sudden changes of direction.
12. Extended and prolonged rope life.

Silver Streak[®] Wire Rope Lubricant is available in one grade only. Silver Streak[®] Wire Rope Lubricant, because of its unique characteristic, can be applied manually, by drip system, pressure boot applicators or through the use of an automatic spray system at temperatures as low as -30° to -40°F/-34.° to -40°C. Silver Streak[®] Wire Rope Lube is also available in aerosol spray cans.

TYPICAL PROPERTIES

Specific Gravity	.9533
Viscosity @ 40°C, cSt	43.00-53.9
Flash Point °F/°C (ASTM D-92)	210-220°/98.89°-104.94°
Timken OK Load (ASTM D-2782)	
OK Load lbs./kg	60/27
Four Ball EP Test (ASTM D-2596)	
Weld Load, kg	620-800
Load Wear Index kg	110-120
Four Ball Wear Test (ASTM D-2266)	
Scar Diameter mm	0.7
Falex Continuous Load (ASTM D-3233)	
Failure, lbs./kg	+4,500/+2,045
Rust Inhibitor (ASTM D-1734)	1,1,1
Copper Strip Corrosion Test (ASTM D-130)	1b
Rust Test (ASTM D-665)	
Procedure A (distilled water)	Pass
Procedure B (salt water)	Pass
Humidity Cabinet Test (ASTM D-1748)	
Days to Failure	60+