



# WIRE ROPE LUBRICATOR



## The Wire Rope Lubrication Solution

The manual lubrication of wire ropes via the drip, brush, spatula or rubber glove method has always been a difficult maintenance task. Typically messy asphaltic or "blackjack" type products are employed which have coating abilities but very little lubrication or penetration properties.

The VIPER Wire Rope Lubricator provides fast and effective lubrication of wire ropes from 5/16" (8mm) to 2-5/8" (67mm) in diameter, at speeds up to 6,670ft (2,000mt) per hour. It eliminates the slow and labour-intensive task of manual lubrication, at the same time achieving more thorough results by forcing quality lubricant under high pressure right through to the core of the wire rope.

## The System

The system consists of the Lubricator Collar assembly which houses the polyurethane seals to suit the specific size rope. The assembly is clamped around the rope and anchored to a fixed point. The rope is then pulled through the collar as the lubricant is applied with a high pressure grease pump, forcing lubricant between the strands to the center of the rope. The result is a fully lubricated wire rope with a smooth minimal film of lubricant on the outer strands.

The benefits over conventional drip and brush or spray systems are substantial. The Viper Wire Rope Lubricator operates at a higher pressure than most other lubricator collars on the market, this combined with the robust construction guarantees fast, safe and effective wire rope lubrication.



## FEATURES & BENEFITS:

- \* SINGLE PASS LUBRICATION
- \* **NO MORE** MANUAL GREASING
- \* **STOPS** CORROSION/ PROTECTS ROPES
- \* **PENETRATES** TO THE WIRE ROPE CORE
- \* **LESS** MESS AND WASTE
- \* **FAST AND EFFICIENT-** AT SPEEDS UP TO 6,670FT (2,000MT) PER HOUR
- \* **HIGH PRESSURE** OPERATES UP TO 6,000 PSI
- \* **LUBRICATES** ROPES FROM 5/16" (8MM) TO 2-5/8" (67MM)

## APPLICATIONS

- \* WHARF CRANES
- \* SHIP CRANES
- \* ROV CABLES
- \* MINE WINDERS
- \* MOBILE CRANES
- \* OIL AND GAS PLATFORMS
- \* ANCHOR ROPES
- \* DECK WINCHES
- \* OVERHEAD CRANES
- \* SHIP LOADERS



# WIRE ROPE LUBRICATOR

## VIPER Wire Rope Lubricator Kit

The Viper Wire Rope Lubricator is available in both Kit and component form. The Kit includes all the equipment you need to get started. Simply order the Kit and select the seals and scrapers appropriate to the wire you are lubricating.

## Kit Components

Viper Heavy Duty Collar	2 x 2mt (7ft) hold down chains
50:1 Grease Pump (high volume)	4 x "D" shackles
Polyurethane Seals (1 pair)	Aluminium Heavy Duty Storage Case
Steel Scrapers (1 set)	Viper Rope Cleaner (Optional)
Air Regulator with gauge	LE WireLife Almasol Coating Grease (Optional)
On/Off air control valve	
4mt (13ft) high pressure hose	
1mt (3.5ft) clear drain hose	



## Viper Collar

The Collar is the heart of the Viper Wire Rope Lubricator system. With robust steel construction and corrosion protection coating, the collar has two anchor holes at each end to



enable it to be secured plus easy to use locking toggles to lock the two halves of the collar in place. The Collar allows for lubrication of Wire Rope from 5/16" (8mm) to 2-5/8" (67mm).

There is a high pressure male hydraulic coupler for lubricant supply plus a low pressure male barb fitting for attaching the product drain hose. Each end has fittings for two steel Scraper Plates. Nominate your size of Scraper Plates & Seals when ordering the Kit.

## Viper Grease Pump

This high pressure 50:1 ratio air operated grease pump with the standard kit sized to suit a 5 gallon (20kg) grease pail. The Kit comes with a drum cover, carry handle, follower plate and 4m (13') of high pressure hydraulic hose with a female quick connect hydraulic coupler on the end.



## Seals

The Wire rope Lubricator Seals are made from a polyurethane material which is extremely durable and wear resistant, while at the same time being flexible to achieve excellent sealing under pressure. The seals come in pairs to suit each individual rope size and are identical so can be reversed if one end becomes worn. They are easily removed and changed for different size ropes or cleaning and storage after use. There are numerous different size seals to accommodate all size wire ropes from 5/16" (8mm) to 2-5/8" (67mm)



## Scrapers

Steel Scrapers are fixed to the end of the Wire Rope Lubricator Collar to pre-clean dirty wire ropes and also to protect the seal from broken strands by flattening loose wires. There are numerous different size scrapers to accommodate all size wire ropes. **Consult our Seal and Scraper Selection Guide to determine the right size Scrapers for your wire rope.**

## LE WireLife Almasol Coating Grease

Lubrication Engineers recommends the use of LE WireLife Almasol Coating Grease with the Viper Lubricator. LE Almasol Coating Grease is available in NLGI#00 LE452 or NLGI#0 LE453 both of which have exceptional penetrating ability. It is tacky and water resistant and will penetrate wire ropes to the core providing EP lubrication and corrosion protection, even in undersea applications.