

Operation Instructions

For

Cable Wire Lubricator

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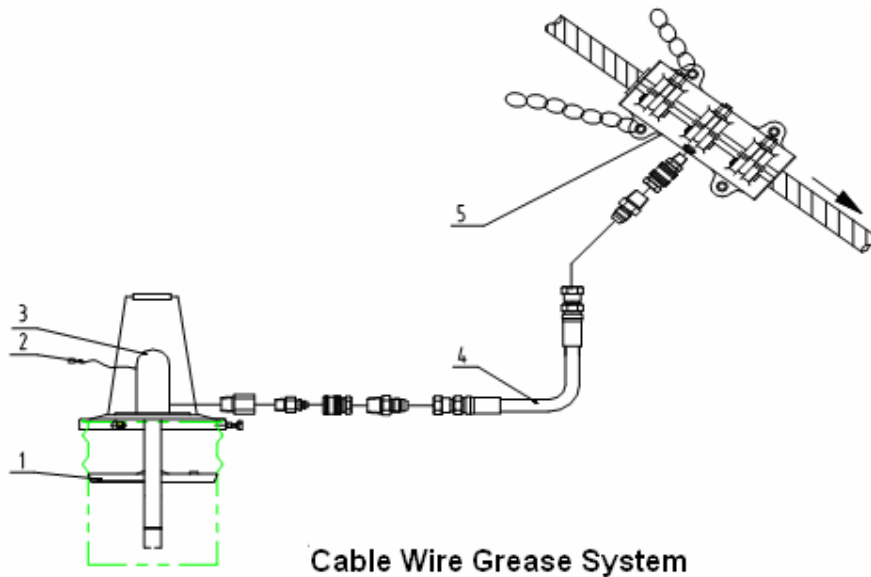
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General Description

Cable wire lubricator can effectively lubricate the surface of the cable continuously; this will result in reducing friction between cable, roller and pulley. The consistent application of lubricant will reduce the wear generated from friction between steel wires and drum, therefore, increasing the lifespan of the cable. Also, the cable wire lubricator will cut down lubricating time and consumption of lubricant.

The cable wire lubricator can be utilized on port, oil field, crane and mining equipment.

Principle and application



Sketched:

1. Grease drum (from customer)
2. F.R.L. assembly (with quick adaptor)
3. Pneumatic grease pump
4. High pressure grease hose assembly (with quick adaptor)
5. Cable wire lubricator

Install the cable wire lubricator onto the cable and mount it on a bracket near the lube point with chain clip, it can be mounted in any position or angle (vertical, horizontal, incline)

Specifications

1. Grease lubricator:

Two types of lubricators classified according to the cable diameter in the table below

Type	44434/LQ-S	41606/LQ-B
Weight	3.6kg	5.9kg
cable	φ 12.5~28mm	φ 30~50mm

2. Pneumatic Grease pump:

Discharge: 40 cu.in./min(650 cc/min)

55:1 Ratio

Air pressure max. : 140 psi/10 bar

Above-mentioned lubricators are both portable, for various lubricant, different type of pumps needed.

NLGI # 2 lubricant is recommended.

Advantages

For cable wire with more steel wires and wrapped tighter, this lubricator could also be utilized for cleaning and lubricating, furthermore, the lubricator can use various lubricants.

1. Prolong the lifespan of the cable wire
2. Cut down labor cost
3. Save lubricant
4. Safeguard operator
5. Easy to operate

Operation

The cable wire lubricator can be mounted with 2 pcs chain, its location and mounting angle can be regulated.

Sealing rings should be selected in terms of wire diameter. First, put 4pcs sealing rings of correct specification into the cable wire lubricator, be sure the V-groove on the sealing ring faces the center. Then attach the lubricator cover and tighten the bolts.

For the sake of prolonging the lifespan of sealing rings, we suggest that speed of the wire be less than 45m/min when lubricating. Take down the lubricator after lubricating.

In order to acquire the best lubricating effect, the thickness of the grease film on lubricated wire surface should be less than 0.5mm; this will avoid excess grease from dropping.

When using air driven barrel pump, the air pressure can be adjusted and the outlet of the pump regulated to control the discharge into the cable wire lubricator.

Notes

1. Specify correct sealing ring from the list below.
2. We recommend lithium based grease.
3. Recommend an FRL be used with drum pump

Cable wire lubricator system parts list

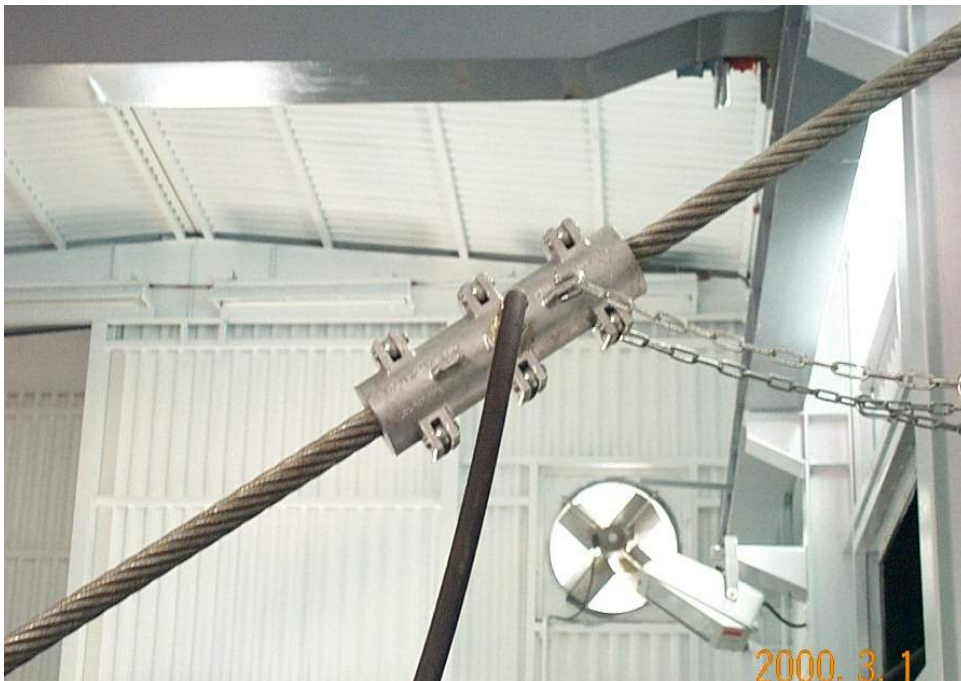
1	LQ-S cable wire lubricator	44434	set	1
2	LQ-B cable wire lubricator	41606	set	1
3	φ12.5 seal ring	44433-1	each	4 required
4	φ14 seal ring	44433-2	each	4 required
5	φ16 seal ring	44433-17	each	4 required
6	φ18.5 seal ring	44433-13	each	4 required
7	φ20 seal ring	44433-15	each	4 required
8	φ21.5 seal ring	44433-14	each	4 required
9	φ22.5 seal ring	44433-3	each	4 required
10	φ25 seal ring	44433-4	each	4 required
11	φ28 seal ring	44433-5	each	4 required
12	φ30 seal ring	44433-6	each	4 required
13	φ32 seal ring	44433-7	each	4 required
14	φ34 seal ring	44433-8	each	4 required
15	φ35 seal ring	44433-16	each	4 required
16	φ36 seal ring	44433-9	each	4 required
17	φ42.5 seal ring	44433-11	each	4 required
18	φ50 seal ring	44433-10	each	4 required
19	φ53 seal ring	44433-12	each	4 required



Lubrication system example

1. Cable wire lubricator is in crane's dolly bracket

2. Cable wire lubricator is in the crane room



3. Air operated drum pump

55:1 Grease service

Model F306 For 120 lb. open top drum.

Includes the following:

Model F302: 55:1 Ratio pump with cover mounting adapter.

Model F1936: Drum cover for 120 lb. drum.

Model F903: Connecting hose installation hook-up kit.

Model F308 For 400 lb. open top drum.

Includes the following:

Model F304: 55:1 Ratio pump with cover mounting adapter.

Model F1938: Drum cover for 400 lb. drum.

Model F903: Connecting hose installation hook-up kit.

Model F335 (not shown) For 35 lb. pail.

Includes the following:

Model F300: 55:1 Ratio pump with cover mounting adapter.

Model F1934: Cover for 35 lb. pail.

Model F903: Connecting hose installation hook-up kit.



Model F306

Model F308