

## Performance you can trust for marine and offshore applications

Technically advanced lubricants developed by our chemists and engineers to meet customer needs.

Our wire rope products offer:

- ▶ Market-leading corrosion protection
- ▶ Maximum penetration and protection to the rope core with our unique technology
- ▶ EU Ecolabel approval and VGP compliance: biodegradable, minimally toxic, non-bioaccumulative and produces no sheen effect



# ROCOL®

## MARINE & OFFSHORE LUBRICANTS

Performance you can trust

### Wire rope lubrication best practice

#### • Cleaning for enhanced performance

- Before use, remove old lubricant and clean wire rope to aid lubricant adhesion and penetration
- Pressure applicators can aid cleaning process
- Avoid the use of solvents which can be harmful to operators and aquatic environments
- To prevent water ingress and internal corrosion, avoid jet washing and steam cleaning

#### • Compatibility

- Compatible with most other branded wire rope lubricants
- For best results, clean thoroughly before application

#### • Application

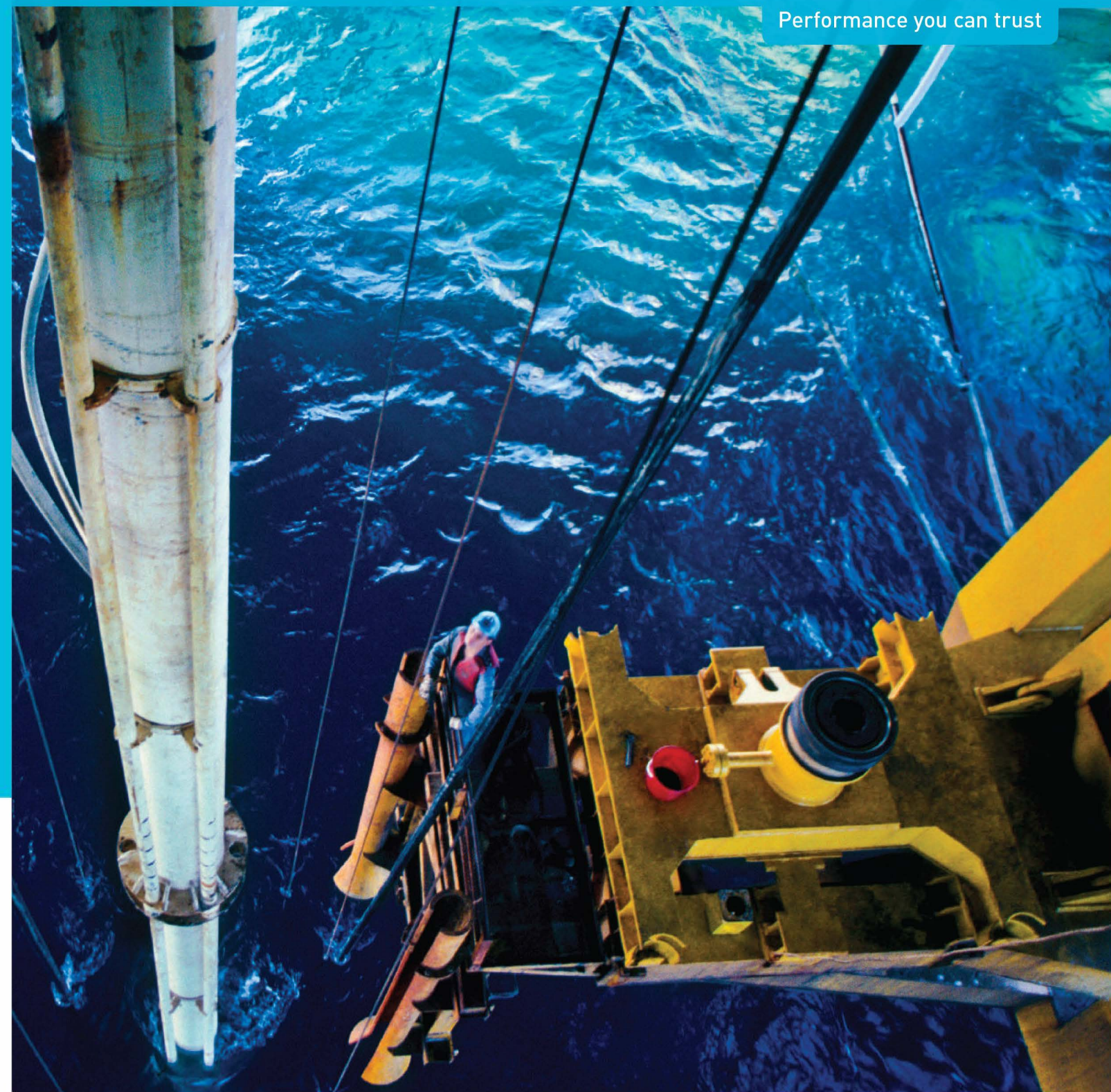
- Use of pressure applicator recommended
- If applied by hand, work into the surface to aid penetration
- Avoid over application to prevent excessive usage and fling-off

#### • Re-lubrication

- Re-lubrication intervals vary depending on operation or location of the asset
- Typically 6 months based on average conditions but should be assessed depending on the environment

### ROCOL Marine & Offshore Lubricants:

- ▶ Protect investment in costly wire ropes against internal corrosion
- ▶ Protect against downtime
- ▶ Resist wash-off and fling-off
- ▶ Prevent premature rope replacement
- ▶ Reduce friction and wear
- ▶ Avoid cost and risks associated with injuries and cleaning




























# Marine & Offshore Lubricants














ROCOL®

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GREASES

	BIOGEN WIRESHIELD® 	BIOGEN® MARINE ROPE DRESSING 	WIRESHIELD®	WIRE ROPE DRESSING
TARGET APPLICATIONS	  SUBSEA OFFSHORE	    SHIPPING DREDGING PORTS & DOCKS DEEP SEA FISHING	    SHIPPING MINING PORTS & DOCKS CONSTRUCTION & GENERAL LIFTING	    SHIPPING MINING PORTS & DOCKS CONSTRUCTION & GENERAL LIFTING
CORROSION RESISTANCE (ASTM B-117 SALT SPRAY TEST)	★★★★★ >4000 hours	★★★★★ >1000 hours	★★★★★ >4000 hours	★★★★★ <1000 hours
OPERATING TEMPERATURE RANGE	★★★★★ -50 to +180°C Does not melt with active heave compensation; suitable for arctic conditions	★★★★★ -30 to +100°C	★★★★★ -30 to +100°C	★★★★★ -30 to +100°C
PENETRATION	★★★★★ Pseudoplastic rheology aids penetration of the lubricant into strands of wire rope, ensuring deeper protection	★★★★★ Exhibits good penetration which is enhanced by the use of a high pressure lubricator	★★★★★ Pseudoplastic rheology aids penetration of the lubricant into strands of wire rope, ensuring deeper protection	★★★★★ Semi-fluid grease aids penetration into the rope
ENVIRONMENTAL PROFILE	★★★★★ VGP / European Ecolabel compliant: minimally toxic, non-bioaccumulative and biodegradable. No sheen formula	★★★★★ VGP / European Ecolabel compliant: minimally toxic, non-bioaccumulative and biodegradable. No sheen formula	★★ Traditional mineral oil technology	★★ Traditional mineral oil technology
WATER WASH-OFF (ASTM D4049)	★★★★★ Exceptional water wash-off resistance. Ideal for subsea and submerged applications	★★★★★ Highly resistant to water wash-off	★★★★★ Highly resistant to water wash-off	★★★ Good resistance to water wash-off
APPEARANCE	Soft metallic black grease	Soft off-white grease	Soft translucent amber grease	Soft grey/black grease
PART CODE	  20064 (18 kg) 20069 (160 kg)	 20074 (18 kg)	  20054 (18 kg) 20058 (160 kg)	  20026 (4 kg) 20024 (18 kg)

FLUIDS

	BIOGEN® FLUID	WIRE ROPE FLUID
TARGET APPLICATIONS	      SUBSEA OFFSHORE SHIPPING DREDGING PORTS & DOCKS DEEP SEA FISHING	    SHIPPING MINING PORTS & DOCKS CONSTRUCTION & GENERAL LIFTING
CORROSION RESISTANCE (ASTM B-117 SALT SPRAY TEST)	★★★★★ >1000 hours	★★★★★ <1000 hours
OPERATING TEMPERATURE RANGE	★★★★★ -50 to +180°C Does not melt with active heave compensation; suitable for arctic conditions	★★★★★ -30 to +100°C
PENETRATION	★★★★★ Pseudoplastic rheology aids penetration of the lubricant into strands of wire rope, ensuring deeper protection	★★★★★ Semi-fluid grease aids penetration into the rope
ENVIRONMENTAL PROFILE	★★★★★ Biodegradable and environmentally considerate	★★ Traditional mineral oil technology
APPEARANCE	Dark grey fluid	Grey fluid
PART CODE	 20085 (20 l)	  20046 (5 l) 20045 (20 l)

AEROSOLS

WIRE ROPE SPRAY	ANTI-SEIZE SPRAY
<p>WIRE ROPE Spray offers all the benefits of Wire Rope Dressing but in a convenient, high performance aerosol for controlled application. The fluid form provides both enhanced de-watering and penetration properties making the product particularly suitable for use on wet ropes or those going in to storage.</p> <ul style="list-style-type: none"> <li>- Highly resistant to water wash-off and offers outstanding corrosion protection, even in salt water environments</li> <li>- Provides a thin, non-tacky film which prevents the build-up of dust and dirt on the wire rope</li> <li>- Excellent lubrication properties, reducing wear on the wires and strands thereby maximising the service life of the rope</li> </ul>	<p>ANTI-SEIZE Spray is designed for use on static fasteners and mechanisms prone to seizure where conventional copper based anti-seize products may fail to perform. It is particularly effective in extreme wet conditions even when submerged in sea water environments.</p> <ul style="list-style-type: none"> <li>- Lubricates, protects and eases dismantling</li> <li>- Static operating temperature resistance of -50°C to +1100°C</li> </ul>
	

OTHER RELEVANT APPLICATIONS


### OPEN GEARS

**BIOGEN TUFLUBE BIODEGRADABLE GREASE**  
18404 (18 kg)

**TUFLUBE ALLWEATHER**  
18271 (400 g)  
18276 (5 kg)  
18244 (18 kg)

**Heavy Duty Jacking and Open Gear Greases**  
Saves time and money, and extends the life of critical assets. Can be applied by hand or automatic pumping equipment.

- **EXTREME PRESSURE:** Unique additive package protects against metal wear
- **EXTREME CORROSION PROTECTION:** Physical and chemical protection against pitting and corrosion
- **EXTREME ADHESION:** Blend of high tack boosters ensures staying power even when submerged
- **EXTREME TEMPERATURES:** For use in the hottest and coldest global climates



### CORROSION PROTECTION

**Z30 SPRAY**  
37020 (300 ml Aerosol)  
37022 (5 l)  
37028 (20 l)

**Heavy Duty Waxy Film for Long Term Outdoor Corrosion Protection.**

- Up to 2 years' corrosion protection
- Good dewatering properties and penetration
- Thin, flexible film does not crack or chip
- Does not contain silicones or chlorinated solvents
- Protects components in storage and transit
- Temperature range: -20°C to +110°C

