

Brand, Name of Grease	Clareguard GRL	Mobilarma 798	Shell Malleus GL205	Rocol RD 105	Dynagard Blue
<b>Purpose</b>	Wire Rope Lubricant	Wire Rope Lubricant	Primarily for Open Gear Applications	Wire Rope Lubricant	Wire Rope Lubricant
<b>Features &amp; Benefits</b>	<p>1. <b>Pseudo-Plastic</b> properties. -Retains grease consistency when static, but thins on shearing. -Easy application and allows penetration into rope</p> <p>2. <b>High Cost Anti-Corrosion Package (corrosion inhibitor)</b> -Ensures wire rope is completely protected against corrosion. -Highly water repellent.</p> <p>3. <b>Highly adhesive.</b> -Prevents lubricant being wiped off from rope surface. -Non-dripping.</p> <p>4. <b>Migration properties.</b> -Permits controlled migration of corrosion inhibitors to uncoated areas of the rope.</p> <p>5. <b>Easy safety inspection.</b> -Black colour lubricant provides a visible external coating for easy inspection.</p> <p>6. <b>No Solids.</b> -Contain no solids in the formulation which can form a dry, film on the rope surface.</p>	<p>1. <b>Rust &amp; Corrosion protection.</b> -Protection against rust from fresh water &amp; salt water over a wide temperature range. -Protects rope against attacks from mild acids.</p> <p>2. <b>Adhesive</b> -Resists throw-off. -Forms transparent film around wire rope.</p> <p>3. <b>Reduces wear.</b></p> <p>4. <b>Easy application</b> with brush, swab, spray, dip or heated bath.</p> <p>5. <b>No Solids.</b> -Contain no solids in the formulation which can form a dry, film on the rope surface.</p>	<p>1. <b>Adhesive</b> -Resists throw-off. -Forms transparent film around wire rope.</p> <p>2. <b>Withstands water washout</b> and repels adhering dust and dirt.</p> <p>3. Anti-wear, withstand extreme pressure and load-carrying capabilities.</p> <p>4. <b>Contains solid additive MoS<sub>2</sub></b>(Molybdenum disulphide). -MOS<sub>2</sub>is more beneficial for bearing application, and less important for wire rope lubrication application.</p> <p>These solids may form a dry film on the rope surface and prevent fresh lubricant from penetration to the wire rope core.</p>	<p>1. <b>Corrosion protection.</b></p> <p>2. <b>Rapidly penetrates</b> wire rope.</p> <p>3. <b>Water repellent.</b></p> <p>4. <b>Anti-wear</b> properties.</p> <p>5. <b>Contains solid additive MoS<sub>2</sub></b>(Molybdenum disulphide). -MOS<sub>2</sub>is more beneficial for bearing application, and less important for wire rope lubrication application. These solids may form a dry film on the rope surface and prevent fresh lubricant from penetration to the wire rope core.</p>	<p>1. <b>Good Anti-Corrosion.</b></p> <p>2. <b>Resistant to Softening.</b> -Combination of lubricating solids and molybdenum disulphide.</p> <p>3. <b>Protection against wear</b> and shock loads.</p> <p>4. <b>Resistant to water-wash.</b></p>
<b>Composition</b>	Solvent Refined Mineral Oil Inorganic thickener –Non-soap Advanced Anti-Corrosion Additive Package	Base Oil & Additives	Petroleum Resins, Highly refined mineral oil, Synthetic Hydrocarbons, Additives, Dialkylpolysulphide(1% - 5%), Amine Phosphate (1% - 2.49%)	Solvent Refined Mineral Oil (>60%), Molybdenum Disulfide – Lubricating Solids (1% - 10%), Modified Clay Thickener (1% -10%)	Solvent Refined Mineral Oil (50% Nominal) Performance & Non-Hazardous Additives.
<b>Appearance</b>	Black Smooth Grease	Amber Liquid	Black, Semi-Solid at Ambient Temperature (may need heating to apply)	Semi-Fluid Black Grease Does not mix with water. Sinks in water.	Blue Semi-Solid Paste. Does not mix with water.
<b>Washout Effect of Corrosion Inhibitor</b>	Passed Salt Spray Test, Salt Fog Corrosion Resistant Test	Not Determined	Passed corrosion test for 48 hours at 52degC	Not Determined	Passed Salt Spray Test, Salt Fog Corrosion Resistant Test
<b>NLGI (Worked Penetration)</b>	0.5 (Dynamic), 1.5 (Static)	Not Determined	00 (Semi Fluid)	00 (Semi Fluid)	2.0 ("Normal" Grease. Stiff, harder to penetrate)
<b>Temperature Range (degC)</b>	-20degC to 80degC (operating temperature to cater for both summer & winter usage)	Not Determined	Not Determined	-20degC to 100degC (operating temperature to cater for both summer & winter usage)	Not Determined (long service in high temperature ranges)
<b>Approved Testing</b>	Syncrolift, DNV, Bridon	Non Applicable	Non Applicable	Non Applicable	Non Applicable

\* Please note the above comparisons are based on general information extracted from technical datasheets and MSDS.

\* Lab test results and actual in-service results differ greatly. In general, the lubricant will be subjected to more adverse conditions for in-service test than lab test.



OCEANIC OFFSHORE ENGINEERING PTE LTD

Tel: (+65) 6262 6662 Fax: (+65) 68981728

www.oceanicoffshore.com.sg