



A LEADING GREEN TECH COMPANY  
LUBRICANTS | OILS | GREASES | CLEANERS

# MARINE



# WE DON'T COMPROMISE. WE SOLVE SMARTER.



## PERFORMANCE

Stable, hydrocarbon base oil technology

High compressibility, low temperature performance

Superior lifetime, more up-time, longer changeover intervals

Non-sheening



## SUSTAINABLE

Blue Angel/Swedish Standard approved

VGP compliant

Ecolabel approved FUTERRA™ and BioPreferred® EnviroLogic® HF lubricants

Drop-in replacement



## CUSTOMER FIRST

Leading OEM approvals

Oil analysis program service

Global shipping and flexibility

Asset conversion mapping and changeover management

## ENVIRONMENTALLY ACCEPTABLE LUBRICANTS

Unlike most other EALs, RSC Bio Solutions' lubricants are formulated using a PAO and other synthetic hydrocarbon base oil which is stable in the presence of water. Major advantages are drop-in replacement to mineral oil and high compatibility with standard seal materials. We have approvals from leading OEMs and seal manufacturers.

LUBRICANTS	APPLICATIONS	PRODUCTS	VISCOSITY/GRADE
<b>Hydraulic Oil</b>	Cranes Winches Thrusters Controllable Pitch Propellers Pumps Rams Hydro Hammers Drilling Motors Stern Tubes Stern Ramps	RSC FUTERRA™ Hydraulic Fluid RSC ENVIROLOGIC® HP Hydraulic Fluid RSC ENVIROLOGIC® HF ROV Fluid SPECIALIZED ROV Fluid	ISO 15, 22, 32, 46, 68, 100, 150
<b>Gear Oil</b>	Cranes Thrusters Azipods Winches Gear Boxes Stern Tubes	RSC ENVIROLOGIC® Gear Oil	ISO 68, 100, 150, 220, 320
<b>Grease</b>	Doors Hatches/Hinges Wire Ropes Deck Equipment ATB Couplers Rudders Steering Systems Drive Shafts Bucket Pins Jack Up Leg Boats Towing Pins	RSC ENVIROLOGIC® Multi-Purpose Grease RSC ENVIROLOGIC® Grease WREP RSC ENVIROLOGIC® Grease EHD RSC ENVIROLOGIC® High Tack Grease	NLGI 00, 0, 1, 1.5, 2
<b>Specialty Fluids</b>	Air Compressors Screw Compressors Heat Transfer Fluid Application	RSC FUTERRA™ Compressor Oil RSC FUTERRA™ Heat Transfer Fluid	ISO 68, 100 4 cSt
<b>Engine Oils</b>	2 Stroke & 4 Stroke Diesel Engines	RSC FUTERRA™ MCL RSC FUTERRA™ TPEO RSC FUTERRA™ HDEO	15W-40, 20W-40, 40, 50





### SUPERIOR PERFORMANCE

RSC Bio Solutions' products are advanced lubricants for demanding marine equipment where high performance meets environmental responsibility. These hydraulic fluids, gear oils and greases offer extreme protection against water and the elements and deliver long term lubricating stability, resulting in more uptime and reduced operating costs so you can focus on getting the job done.

### REGULATORY COMPLIANCE

While the reporting of and cleanup for all spills and leaks is always required, the remediation costs and fines associated with VGP-compliant solutions are generally less substantial. US EPA 2013 VGP: vessels over 79 feet must use Environmentally Acceptable Lubricants (EALs) when operating in US waters in all oil-to-sea interfaces. An "Environmentally Acceptable Lubricant" is minimally toxic, not bioaccumulative and biodegradable (defined as  $\geq 60\%$  degradation within 28 days). EALs and other safer fluids required under the VGP are a good benchmark to follow when operating in highly sensitive and restricted areas to minimize the environmental impact of a spill or leak.

### THE SMARTER CHOICE

RSC Bio's advanced technology products have provided the Marine industry with better solutions for over 20 years of field tested, proven performance. We offer best-in-class lubricants that achieve environmental compliance without compromising performance.

### JUST ASK OUR MARINE CUSTOMERS...

- Leading national defense reserve fleet
- Largest worldwide container ship and supply vessel operator
- Globally recognized family fun cruise line operator
- Family led, global bulk cargo transportation company



**VGP 2013  
REMAINS  
IN FORCE**



NL/027/016



**VGP COMPLIANT**



**GLOBAL AVAILABILITY**





## FUTURE PROOF

RSC Bio Solutions' technology provides outstanding long-term protection for marine equipment, while also building in readiness for the changes ahead. Global trends continue to suggest that regulations requiring the use of environmentally acceptable solutions that can meet technical requirements will continue to increase. Additionally, many ports and waterways have established their own incentive systems to reward players who adopt options that are safer for the environment, recognizing the long term financial benefits of sustainability. Some industry leaders adopt environmentally acceptable solutions not only to comply in regulated environments, but also as a result of increasing corporate pressure, public scrutiny, and efforts to protect their brand by embracing sustainability leadership.

## OEM APPROVALS

A company's commitment to leadership and performance is evident by receiving approvals from major Original Equipment Manufacturers (OEMs). RSC Bio Solutions has OEM approvals with leading Marine OEMs. For more information on OEM approvals, contact your local representative.

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NOT ALL EALs ARE THE SAME —  
RSC BIO IS BEST IN CLASS.

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## FOR MORE INFORMATION

Please contact us directly or contact your sales representative.  
800.661.3558 | 1.704.684.6100 | [RSCBio.com](https://www.RSCBio.com)

