

RSC ENVIROLOGIC® GREASES

Biodegradable Lithium Complex Grease 2 WREP and Grease 0, 1 and 2

Biodegradable Lithium Complex Greases

RSC EnviroLogic® Greases are VGP compliant, biodegradable polyalphaolefin (PAO) and hydrocarbon related type, Lithium Complex greases. These greases are designed to operate in severe outdoor environments and withstand corrosion in high performance industrial applications where incidental environmental exposure is a cause for concern. They are minimally toxic to aquatic life and animals, and are **Environmentally Acceptable Lubricants (EALs) compliant with the 2013 US EPA Vessel General Permit (VGP)**. RSC EnviroLogic® Grease #0, #1 and #2 offer:

- Extreme pressure and anti-wear performance
- Ultra-low temperature performance

RSC EnviroLogic® Grease 2 WREP

RSC EnviroLogic® Grease 2 WREP is a high performance biodegradable grease designed for applications where water resistance is paramount. Additionally, this grease offers a broad operating temperature range from 400°F to below freezing. RSC EnviroLogic® Grease 2 WREP is an **Environmentally Acceptable Lubricant (EAL) compliant with 2013 US EPA Vessel General Permit (VGP)**. This grease offers:

- Outstanding water spray off performance
- Extreme pressure and anti-wear performance
- Broad operating temperature range (400°F to below freezing)
- Resistance to water wash out
- Ferrous and yellow metal corrosion protection
- Oxidatively stable
- Good pumpability
- Good shear stability
- Sealing properties to keep out water and debris

RSC EnviroLogic® Greases operate in equipment/systems over a wide temperature range in applications from deck cranes and other moving parts on ships to construction equipment, garage doors and more. Plus, they demonstrate low temperature pumpability and minimal oil separation during storage.

RSC ENVIROLOGIC® GREASES

Typical Properties	RSC EnviroLogic® GREASES			
RSC EnviroLogic® Product Number	GREASE 2 WREP	GREASE 0	GREASE 1	GREASE 2
NLGI Grade	#2	#0	#1	#2
Worked Penetration, (mm/10), ASTM D217	265-295	355-385	310-340	265-295
Dropping Point, °F, ASTM D2265	500	397	436	450
Oil Separation, %, ASTM D1742*	-	-	6	1.7
Water Spray Off, (% loss), ASTM D4049	4	-	-	-
Four-Ball Weld, (kgf), ASTM D2596	400	250	250	315
Four-Ball Wear, mm, ASTM D2266	0.44	0.42	0.42	0.43
Steel Corrosion, ASTM D1743	Pass	Pass	Pass	Pass
Copper Corrosion, ASTM D4048	1b	1b	1b	1b
Timken OK Load, lbs., ASTM D2509	55	-	-	55 Pass
Water Washout, (% loss), ASTM D1264	4	-	-	4
Low Temperature Pumpability @ 30°F, psi, Lincoln Ventmeter	-	-	294	-
Base Oil Viscosity @ 40°C, cSt., ASTM D445	100 min.	55 cSt	55 cSt	+55 cSt
Grease Mobility @ 40°F (4°C), USS Method	30 g/min.	-	-	-
Color, Visual	Blue	Amber	Amber	Amber
Appearance, Visual and Characteristics	Smooth and tacky	Smooth	Smooth	Smooth and tacky
Shear Stability, 10,000 strokes, ASTM D217	Remains in grade	-	-	-

*Oil Separation from Lubricating Grease during storage

Applications

- Deck cranes
- Wire ropes
- Davits
- Fin stabilizers
- Shaft bearings
- Stern thrusters
- Barges
- Roll On / Roll Off (RO/RO) hatches
- Cargo hold doors
- Moving parts on ships
- Garage doors
- Tracks
- Hinges
- Chassis of vehicles
- Trailers
- Construction equipment
- Subways

Applications for RSC EnviroLogic® 2 WREP Grease:

- Articulated tug-barges (ATB)
- Barges
- Dredging
 - Clamshell diggers
 - Hopper dredges
 - Harbor skimmers
- Jack-up lifting systems
- Navigation locks and dams
- Deck equipment
 - Anchor handling winches
 - Stern rollers
 - Cranes
 - Davits
 - Towing pins
- Rudders
- Mobile drilling rigs

Also for use in applications where grease could end up in the environment.

OEM Approvals

RSC EnviroLogic® meets the requirements for various manufacturers. Visit our website or contact customer service for a full list of OEM approvals.

For more information about RSC Bio Solutions, visit us at rscbio.com or call +1 704.684.6100.



KEEP MOVING. FORWARD.

rscbio.com

600 Radiator Road
Indian Trail, NC 28079-7643
800-661-3558
+1 704.684.6100

EnviroLogic® is a registered trademark of RSC Bio Solutions. Copyright© 2017. RSC Bio Solutions. All Rights Reserved.