



COAST LUBRICANTS & INDUSTRIAL SUPPLY

BIODEGRADABLE DRILL ROD GREASE

SynBio™ Series
BDRG

BDRG-3 is a biodegradable, vegetable/synthetic ester-based lubricant that is formulated with a premium aluminum-complex thickener. This grease is designed to exceed environmental requirements for use in the vicinity of water ways, as it is biodegradable, non-toxic in aquatic environments, nor to plants, and is not bioaccumulative.

BDRG-3 has a higher flash point than similar mineral-oil based products providing increased safety for the applicators/users, as well as a lower coefficient of friction to reduce the wear on the instruments.

The aluminium-complex base of **BDRG-3** has many advantages such as the ability to withstand extremely high temperatures and heavy loads, excellent water-resisting properties, rust prevention, corrosion and oxidation inhibition, and has good shear stability.

BDRG-3 is recommended for lubrication of drill rods in areas that are eco-sensitive.

BDRG-3 is formulated as an NLGI 1 anti-seize compound and thread lubricant.

ADVANTAGES:

- Non-toxic to aquatic systems, except **BDRG-3** which contains metal additives
- Formulated from a minimum of 80% renewable resources
- Biodegradability reduces damage to environment
- Application on wet surfaces
- Efficiency and lubricity improvement .
- Exceptional wear protection
- Manufactured using renewable resources

TYPICAL SPECIFICATIONS			
Product Code: BDRG	BDRG-1	BDRG-2	BDRG-3
NLGI grade	1	2	3
Cone Penetration, unworked	310-340	265 - 295	220 - 250
Base Oil Viscosity (cSt @ 40°C) (ASTM D445)	160	220	460
Base Oil Viscosity (cSt @ 100°C) (ASTM D445)	24	36	58
Base Oil Viscosity Index (ASTM D2270)	182	214	196
Base Oil Flash Point (°C) (ASTM D92)	326	326	326
Melting Point (°C)	>210	>240	>240
Density (g/ml)	0.91	0.92	0.92
Colour	Grey/Copper	Amber [Green]	
OECD 301 – Biodegradability	Readily		
OECD 202 – Aquatic Toxicity	N/D	Non-Toxic	
OECD 208 – Plant Toxicity	Non-Toxic		