FORDIA®

blackwidowbio

Biodegradable Drill Rod Grease

Robco INC
Engineered Solutions since 1911

Fordia's **BIO BLACK WIDOW** is a biodegradable and non-toxic drill rod grease. Developed by Robco, a leading lubricant specialist, BIO BLACK WIDOW was specifically formulated to offer optimal performance for diamond drilling applications.

CERTIFICATIONS IN-PROCESS
H2
NSF #60
NSF #61

Optimal Performance

BIO BLACK WIDOW **reduces friction** between the rod and rock strata by forming a **highly adherent and tenacious film** which increases metal surface protection while reducing stray-mist. Offering superior load carrying capacity and resistance to wear, BIO BLACK WIDOW has **higher resistance to oxydation** than most conventional biodegracable lubricants.

In addition, BIO BLACK WIDOW does not affect yellow metals; moreover, it offers superb performance under the most adverse operating conditions.

Eco-friendly

BIO BLACK WIDOW is manufactured using vegetable oils. This green product is a great help to minimize impact on the drilling environment, especially in eco-sensitive areas.

Advantages

- Excellent oxidation stability and **high adherence** to surfaces
- Good low temperature properties
- Contains no petroleum oil base products or metal additives such as lead or zinc
- **Ensures lubrication** even in the presence of water
- Has an exceptionally **low coefficient of friction**
- Has a very **high dropping point** >343°C (>644°F)

Made in North America

Specifications

PROPERTIES	DATA
NLGI GRADE	No. 3
CONSISTENCY, ASTM D217, WORKED PENETRATION, MM/10	220-250
SPECIFIC GRAVITY, ASTM D792, @ 16°C	0,9
THICKENER TYPE	LITHIUM 12/OH STEREATE
COLOR & TEXTURE	GREEN AND FIBROUS
BASE OIL VISCOSITY, ASTM D445, @ 40°C cSt (WITHOUT POLYMERS)	43
BASE OIL VISCOSITY, ASTM D445, @ 100°C cSt (WITHOUT POLMERS)	9,1
DROP POINT, ASTM D2265	>160°C
FLASH POINT, ASTM D92	>320°C
RUST TEST RATING, ASTM D1743	PASS
BIODEGRADABILITY, %	>70%

APPLICATION TIP

Adhesion of the grease is reduced when the rod is cold or humid. Thus, it is important to leave a small coat of grease before storing the rods. This will ensure grease adhesion to the rod in all application conditions.

WWW.FORDIA.COM

T 514.336.9211 **TF** 1.800.768.7274 **F** 514.745.4125 info@fordia.com