GB UNIGREASE® AS PLUS

APPLICATIONS

GB UNIGREASE® AS PLUS is a high-performance drill collar and tool joint compound engineered to prevent downhole make-up, even under extreme drilling torques. This premium anti-seize compound incorporates copper flake with graphite solid lubricant and speciality additives, all suspended in a superior-quality grease base. It effectively resists water washout and ensures smooth breakout without galling.

PERFORMANCE FEATURES

GB UNIGREASE® AS PLUS functions as both a high temperature lubricant and anti-seize compound for use on drill pipes and collar threads, and offers the following features:

- Excellent rust and corrosion protection
- Prevention of seizure and galling during assembly, thereby reducing assembly time
- Easy dismantling of components subjected to high temperatures of up to 200°C
- Provision of an effective anti-seize in saturated conditions, including salt water
- Fast and easy dismantling of components, allowing them to be reused
- Tested against aspects of API RP 5A3

METHOD OF APPLICATIONS

Apply sparingly by brush to the threaded components prior to assembly. For optimum performance ensure that both threaded surfaces are completely coated with GB UNIGREASE® AS PLUS.

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GB LUBRICANTS

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Trading Name of Goodall Bates & Todd Ltd

bsi
ISO 9001 Quality Management Systems CERTIFIED
ISO 14001 Environmental Management CERTIFIED
ISO 45001 Occupational Health and Safety Management CERTIFIED
ISO 50001 Energy Management CERTIFIED
PAS 99 Integrated Management Systems CERTIFIED

TYPICAL PHYSICAL CHARACTERISTICS

Appearance	-	Smooth copper paste
NLGI Grade	-	1
Thickener	-	Lithium Complex
Base Oil	-	Mineral oil
Base Oil viscosity @ 40°C (ASTM D445)	-	150 cSt
Worked penetration @ 25°C (API RP 5A3 Annex C)	-	318 dmm
Worked penetration @ -7°C (API RP 5A3 Annex C)	-	226 dmm
Copper content	-	6 – 10%
Dropping point (API RP 5A3 - ASTM D2265)	-	259°C
Four Ball Weld Load (ASTM D2596)	-	620 kgf
Adherence @ 66°C (API RP 5A3 Annex F)	-	0% mass fraction loss
Adherence @ -7°C (API RP 5A3 Annex F)	-	Pass
Copper corrosion (API RP 5A3 - ASTM D4048)	-	1a
Oil separation @ 100°C, 24hrs (IP 121)	-	<5.0%
Flow pressure @ -20°C (DIN 51805)	-	475 mBar
Water washout (ASTM D1264)	-	<5.0%
Coefficient of Friction (ASTM D2266)	-	0.103
Operating Temperature Range	-	-20°C to +180°C (intermittently 200°C)

STORAGE AND HANDLING

GB UNIGREASE® AS PLUS should be stored under cover to avoid water collecting in the rim of upturned pails, ideally avoid freezing temperatures and sources of heat.

Further information on GB UNIGREASE® AS PLUS can be obtained by referring to the corresponding Safety Data Sheet.

The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations without prior notice.