



HDD Auto/Manual

HDD AND AUGER THREAD COMPOUNDS

DESCRIPTION

HDD Auto and Manual thread compounds are Lead-free, containing Copper flake, graphite, rust and corrosion inhibitors. They also contain anti-oxidants, extreme pressure and anti-wear additives, blended into Jet-Lube base grease.

HDD Auto grade uses special Arctic oil for superior low temperature properties

HDD Auto and Manual use a lower viscosity base oil more suitable for HDD equipment, compared to oilfield operations.

HDD Auto and Manual give superior adhesion to wet steel surfaces and resistance to water wash-off.

ADVANTAGES

- Contain no Lead or Zinc.
- Extreme pressure additive provides additional protection against seizing and galling. Inhibitors protect against rust and corrosion.
- Stick to wet joints.
- Smooth grease base for brushability and stability over a wide temperature range.
- Consistent makeup.
- Unequalled resistance to downhole makeup.
- Autolube grade is suitable for pump application, Manual is for brushing .

HDD Auto and Manual are formulated to prevent excessive circumferential makeup by increasing the coefficient of friction under compressive forces. As stress levels rise above 50% of yield, the friction factor increases limiting downhole makeup. Full hydraulic joint efficiency is maintained allowing joints to make-up completely without stand-off or deformation.

PRODUCT CHARACTERISTICS

Service Range:

Autolube -55°C to 205°C, Manual -18°C to 232°C

Thickener: Autolube - Anhydrous Calcium

Manual - Aluminium complex

Fluid Type	Petroleum
Dropping Point (ASTM D-566)	199°C, 260°C
Specific Gravity	1.15
Oil Separation	<3.0
Wr. % Loss @ 212°F (100°C)	
Flash Point (ASTM D-92)	221°C, 260°C
Penetration @ 77°F (ASTM D-217)	320-340, 310-330
NLGI grade	1
Copper Strip Corrosion	1A
ASTM D-4048	
Shell 4-Ball Weld Point, kgf	800
ASTM D-2596	
Friction Factor	1.0

PACKAGING

Autolube

Code No.	Size	Container
JA19723	4.5kg	Plastic pail
JA19712	8kg	Plastic pail
JA19793	20kg	Metal pail

Manual

Code No.	Size	Container
JA19823	4.5kg	Plastic pail
JA19812	8kg	Plastic pail
JA19893	20kg	Metal pail

LIMITED WARRANTY

Jet-Lube (UK) Limited makes the Limited Express Warranty that at the date of delivery, this product shall be free from defects in Jet-Lube (UK) Limited materials and workmanship.

This limited Express Warranty is expressly in lieu of any other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, and of any other obligation on the part of Jet-Lube (UK) Limited.

The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and Jet-Lube (UK) Limited shall not be liable for incidental or consequential damages.

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