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AFRIQ COPPER COMPOUND

DESCRIPTION

Afriq Copper Compound is a NLGI 1 consistency non-melt ant-seize compound with a Bentonite thickener. The combination of several lubricating quality solid lubricants ensures an outstanding anti-seize and sealing compound for general maintenance and installation procedures used in industrial, mining and marine applications.

The product contains anti-rust, anti-oxidant and extreme pressure additive it is lead free and contains 5 solid lubricants.

It provides perfect protection under all types of corrosive conditions and which, even after years, enables the user to loosen threaded connections of all types with a minimum of effort, thus saving material and labour. For even better results and longer life apply the thread grease and place in position. Apply solvent resistant silicone sealer around the contact points between the bolt and body/nut.

APPLICATION

Afriq Copper Compound is ideally suited for use in assembling of intake and exhaust manifold studs, cylinder head studs, boiler and head gaskets, face plate studs, gas burner connections, steam pipe threads as well bolts and nuts used on flange connections.

Afriq Copper Compound assists in sealing all types of high pressure joints whether under hot or cold conditions and does not harden. It can be used for press fits and helps prevent fretting corrosion on shafts and housings when assembling ball and roller bearings. When used on threads it does not alter the torque procedures required.

Works well on all automotive passenger and truck wheel nuts & bolts.

Due to the unique 5 solid lubricant configuration application materials include the following main metals: Mild Steel, Stainless Steel, Bronze, Copper Galvanized and many more.

BENEFITS

- Assists in sealing
- Does not harden
- Long Service Life
- Prevents damage to components during disassembly
- Saves on time and labour
- Prevents corrosion
- Prevents seizure



TYPICAL PHYSICAL CHARACTERISTICS

	TEST METHOD	UNIT	ENGEN COPPER COMPOUND
NLGI Grade	ASTM D217		1
Shell Roll Stability – 24hrs	ASTM D1831	% Change	12
20,000 Strokes Worked Penetration	ASTM D217	% Change	15
Penetration, @ 25 °C Worked	ASTM D217	0.1 mm	320
Dropping Point	IP 396	°C	Non-melt
Viscosity of Base Oil @ 40 °C	ASTM D445	cSt	127
Thickener Type			Organophylic Bentonite
Timken OK Load	IP 326	Lbs	35
Molybdenum Disulphide Content	Calculate	%	1
Copper Corrosion	ASTM D4048		1A
Graphite Content	Calculate	%	5
Total % Solid Lubricants	Calculate	%	16
Oil Separation	ASTM D1742	%	5
4 Ball Weld Load	DIN 51350:4	N	2400
4 Ball Wear Scar 40kg/1hr, mm	DIN 51350:5	mm	0.7
Oxidation Stability @ 100hrs	ASTM D942	kPa Drop	50
Density	IP PM-CS/03	g/ml	1.06
Colour	Visual		Gold – Bronze