

## **MOSIL ML – 5500 HDD**

Copper Based, Zinc and Lead free  
Premium Tool Joint Compound

ML – 5500 HDD is a premium low friction lubricant based on micro size amorphous copper. It is formulated with proprietary solid lubricants along with new generation oxidation and H<sub>2</sub>S inhibitors. It is a lead and zinc free compound formulated to provide superior performance during Horizontal Directional Drilling under excessive vibration, load and elevated temperatures. A unique combination of solid lubricants and EP additives impart extremely high weld load to the compound thereby offering excellent protection against seizing and galling of threaded connections of Tool Joints and Rods.

### **AREA OF APPLICATION**

Recommended to be used on all threaded connection of Drill Pipe, Drill Collar, and Tool joints associated in various drilling operations like off shore / on shore and Horizontal directional drilling.

Specially recommended for Grease Spray System of HDD Machines, lubrication of Drill Rods, Drill pipe & Tool Joints operating under severe load and vibrations.

### **BENEFITS**

- ➔ Light Consistency for application through lubrication systems.
- ➔ Excellent Pumpability.
- ➔ Reduces seizures and galling when excessive load and vibration is encountered.
- ➔ Protects all rotary shouldered connections under extreme drilling condition.
- ➔ Excellent frictional characteristics help tighten the connections at desired stress levels.

**PACKING:** 5 Kg Jar , 20 Kg Pail, 180 Kg Barrel

Owing to evolving packaging solutions, user is requested to kindly check the availability of a specific pack size prior to standardization.

#### **Mosil Lubricants Private Limited**

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Regd Office: 166/1, KALANIDHI, Sion(West), Mumbai - 400 022 | CIN # U23200 MH 2000 PT C124177



Sr	CHARACTERISTICS	TYPICAL VALUES
1.	Appearance	Smooth Grease
2.	Color	Copper to Brick red
3.	Specific Gravity, 20°C MSTM IN - 16	1.26 ± 0.1
4.	Density, 20°C MSTM IN - 309	1.26 ± 0.1 g / cm <sup>3</sup>
5.	Flash Point of Base Oil, °C ASTM D - 92	> 230
6.	Drop Point, °C ASTM D - 2265	290 (min)
7.	NLGI	# 1
8.	Worked Penetration ASTM D - 217	310 – 340
9.	Copper Strip Corrosion ASTM D - 4048	ASTM 1a

Material Safety Information required for safe usage of this product may not be included in this product bulletin and may be sought by contacting MOSIL. Users are advised to go through the Material Safety Data Sheet (MSDS) of this product prior to application / usage of this product.

All statements and information contained in this document are based on the laboratory testing and user experience on actual applications. Owing to the exhaustive possibility of application for which this product may be used and the variety of equipments, performance parameters, environmental conditions and unpredictable human factors, we strongly recommend that this product be tested on the actual application prior to its standardization. All information contained herewith is offered in good faith but without any expressed or implied warranty. This Product Bulletin may already have been revised considering the availability of raw components, legislation, user experience & expectations and enhancement of knowledge of the development team of MOSIL. Users are requested to kindly seek the latest version of this product bulletin by contacting MOSIL. Information provided in this Product Bulletin is based on the generalised expectations and requirements of users. Additional information for this product may also be sought by contacting MOSIL.

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