



<b>DATE</b>	<b>12/06/2017</b>
<b>PAGES</b>	<b>3</b>
<b>REVISION</b>	<b>0</b>

## *Product Upgrade Announcement*

*PUA No: 2017-12-01*

### **Subject:**

#### **500/650 Ton Motor Hub and Lube System Upgrade**

As a part of our ongoing product development, GDS is pleased to offer two upgrades. The first is an enhanced Motor Hub Assembly re-designed to better handle today's ever changing drilling environment. The second is a Lube System Upgrade which directs lubricating oil to the motor hub assembly replacing the use of grease. Both are standard issue on new top drives and are available as an upgrade on existing units.

### **For Models:**

All GDM 500 / 650 Ton Top Drives.

### **Assemblies Upgraded:**

The GDM 500/650T coupling, motor drive A500445 and the upgraded motor/pinion hub assembly (A500181) have been upgraded to increase their durability. Included in the kit is the sprayer assembly (A500443). This kit has been introduced to spray lubricate the GDM 500/650T coupling, motor drive, and eliminates the need to remove the gearcase viewcovers and grease the coupling.

### **Issue:**

The motor hub coupling assembly has been upgraded to be more robust for today's drilling environment.

The motor hub assembly was manufactured as a greased item on previous model top drives. This required removal of a cover to access the grease point, which in turn required the top drive to be locked out / tagged out for periods of time when greasing was required.

Photo of the motor side of GDM 500/650T coupling (A500445), motor drive showing the GE B20 motor hub (M500809)



Photo showing the hub coupling (M500757) and the coupling Sleeve (M500810)



Photo showing the Spray Lube assembly (A500443)



**Recommendation:**

GDS recommends installing the Sprayer Assembly and removing the requirement to grease the hub assembly.