

Technical Bulletin

TB No: 027

Rev: 1

Date: February 7, 2006

Description: CDS Actuator Upgrade



Tesco Corporation
6204 – 6A Street SE
Calgary, Alberta T2H 2B7
Phone: (403) 692-5700



www.tescocorp.com

TESCO

BACKGROUND INFORMATION

Tesco has determined that using the original and Mark 1 models of CDS Actuator in certain applications may cause premature failure of the primary thrust bearings. Due to the increased force and duration of loads applied to the affected bearings these actuators shall not be used in a “Casing Drilling” application. The use of the original and Mark 1 Actuators are still approved for “Casing Running” applications.

This failure potentially could cause the body of the actuator and the CDS Links, which are normally stationary, to rotate at the speed of the Top Drive.

Safety Bulletin SB016 and design upgrades to the actuator have been completed. The original and Mark 1 Actuators are no longer produced and have been replaced by a Mark 2 version. Design changes have increased the bearing effectiveness and in addition a method to prevent the CDS Links from spinning should the bearing fail has been incorporated.

The Mark 2 has been deemed safe for Casing Running and Drilling applications within the guidelines established in the CDS Manuals (Tesco Part No: 888009)

AFFECTED PRODUCT:

General Assembly or Model

| Description | Part No. | Drawing No. | Mfg. Date |
|---------------------|----------|-------------|---------------|
| Actuator, CDS | 15254 | 80182000 | To June, 2004 |
| Actuator, CDS, MK 1 | 15254-1 | 80182057 | To Oct., 2004 |

Component

None – applies to model.

ACTION REQUIRED:

Do not use the equipment listed under “AFFECTED PRODUCT” for “Casing Drilling” applications.

Please contact Tesco Corporation at the following email address on issues specific to this bulletin.

Safety_Technical_Bulletins@TescoCorp.com

Contact your local Tesco Part Sales Center for supply of affected components as noted above.