


Technical Bulletin			 <p>Tesco Corporation 3993 W. Sam Houston Pkwy N. Suite 100 Houston, Texas 77043 Phone: (713) 359-7000 www.tescocorp.com</p>
No: TB071	Rev: 1	Date: 03Aug2010	
Available Upgrade for TESCO Hydraulic Top Drive Drawworks Interlock Safety Feature			

BACKGROUND INFORMATION:

With TESCO’s ongoing commitment to improve and provide safer equipment for the drilling industry, TESCO is introducing an upgrade to the existing “Drawworks Interlock” feature on TESCO Hydraulic Top Drives. This upgrade provides additional protection from operator error when utilizing the top drive Connect Forward feature. TESCO is implementing this upgrade on all TESCO owned rental units and it is recommended that customers utilizing TESCO’s “Drawworks Interlock” feature upgrade their systems through their local TESCO Parts and Service Center.

TECHNICAL INFORMATION:

TESCO’s ORIGINAL Drawworks Interlock is a safety feature that prevents the driller from hoisting the top drive when the Grabber is closed or the Connect Forward mode is selected by interrupting the air supply to the Drawworks drum clutch. The Connect Forward portion of the interlock eliminates the hazard of hoisting the top drive out of the slips in connect forward while there is still connection torque in the string, potentially causing the slips to spin and injure floor hands. A Grabber Override push button on the brake handle is used to override the Grabber/Drawworks lockout feature during directional drilling operations, etc.

Tesco’s NEW Drawworks Interlock includes all the safety features of the original system with an additional hoisting sensing circuit that provides increased protection from operator error. The hoisting sensing circuit eliminates the hazards associated with selecting Connect Forward while hoisting the top drive by preventing the Drawworks Interlock circuit from disengaging the Drawworks drum clutch. The hoisting sensing circuit senses the top drive is being hoisted by monitoring the state of the Drawworks drum clutch through an air pressure switch.

AFFECTED PRODUCT:

All TESCO Hydraulic Top Drives with relay logic control systems (HS, HC, HCI, HMIS, and HXI). Consult your local TESCO Parts and Service Center for clarification on whether your top drive is supplied with relay logic or PLC control. Reference Work Instruction WI-1270354 for more information.

ACTION REQUIRED:

TESCO part number 1270354 Kit, Retrofit, Drawworks Pressure Switch Interlock is a mandatory upgrade for all TESCO owned Hydraulic Top Drives with relay logic control and a sellable upgrade available to all TESCO customers.

** For HXI Top Drives order the following TESCO part numbers as opposed to TPN 1270354:**

TESCO part number 1270362 Cord,Driller's "C",cw/Air Valve & Pressure Switch,EXI/HXI,CSA

TESCO part number 0752 Relay,Zone 2,24VDC,4 Form C,3A,14P

TESCO part number 3975 Base,Relay,14P,F/KHA/KHS

Contact your local TESCO Parts and Service Center for further information regarding this bulletin and or supply of affected components noted above.

1	SP	03/08/2010	126-0013	Add reference to work instruction WI-1270354
0	SP	16/12/2009		Initial release of document
Rev:	By:	Date:	ECN#:	Description: