


Technical Bulletin			 Tesco Corporation 5616 – 80th Avenue SE Calgary, Alberta, Canada T2C 4N5 Tel: 1-877-TESCO-77 (North America) Tel: 1 (713) 359-7195 (AMSS 24-hour support) Tel: 1 (713) 359-7295 (International) Email: bulletins@tescocorp.com www.tescocorp.com www.tescoparts.com
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Loss of Communication to Driller's Panels with Wago Programmable Fieldbus Controllers			
<input type="checkbox"/> Internal Use Only		<input checked="" type="checkbox"/> External Use	<input checked="" type="checkbox"/> Mandatory <input type="checkbox"/> Recommended

BACKGROUND INFORMATION:

As part of our continuous improvement initiatives, Tesco has identified a potential issue during product testing of an ESI Top Drive System using Wago Programmable Fieldbus Controllers. After further testing was conducted, it was discovered that the same issue applies to select EXI Top Drive Systems as well.

Should communication to the controls system be interrupted, the affected top drive may continue to operate based on the last command entered by the operator. Although this can be rectified by activating the Emergency Shutdown (ESD) button on the Driller's Panel, Tesco has engineered an automated shutdown sequence available with a software upgrade to the Driller's Panel.

AFFECTED PRODUCTS:

These changes apply to several models of ESI and EXI Top Drive Systems with Wago Programmable Fieldbus Controllers installed on the Driller's Panel and/or Top Drive System.

Affected Top Drives:

Top Drive Model	Unit No.
500TON ESI 1000HP	1400
	1476
	1496
500TON ESI 1350HP	1393
	1489
750TON ESI 1350HP	1501
350TON EXI 600HP	1471
350TON EXI 800HP	1498

Table 1: Affected top drives

ACTION REQUIRED:

If you own one (or more) of the top drive units mentioned in Table 1 above or if you have a Tesco Top Drive System with Wago Programmable Fieldbus Controllers installed, contact a local Tesco representative to confirm if your unit qualifies to receive a software upgrade which includes a controlled shutdown feature in the event that communication to the controls system is interrupted. Discuss with your local Tesco service center to make arrangements for the software upgrade.

Version	Date (D/M/Y)	ECN	Description of changes
Rev 0	05/12/2016	267-0040	Initial release of document

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