


Recall and Safety Bulletin			 <p>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</p>
No: SB090	Rev: 0	Date: December 18, 2014	
Recall of TESCO ESI Top Drive Quills Plating Repair			
<input type="checkbox"/> Internal Use Only		<input checked="" type="checkbox"/> External Use	<input checked="" type="checkbox"/> Mandatory <input type="checkbox"/> Recommended

ATTENTION ALL CUSTOMERS / RENTERS / USERS OF ESI TOP DRIVES

**THIS BULLETIN CONTAINS IMPORTANT SAFETY AND TECHNICAL INFORMATION CONCERNING
POTENTIAL QUILL FAILURE**

BACKGROUND INFORMATION:

TESCO has confirmed that a quill used in an ESI Top Drive experienced failure. Mud leaked from the quill and seeped into the gearbox, which disrupted operation of the Top Drive. Upon inspection, a small series of cracks were discovered on the quill, originating at or near the boundary of the area where chromium plating had been applied (at the lower radial bearing and seal surface (Figure 1)). It was identified that this plating was used on quills installed on 14 ESI Top Drives. The metallurgical investigation is not yet complete; however, as a precautionary measure, TESCO recommends that the quills of the ESI units be replaced immediately as the area of concern is an essential load path component.

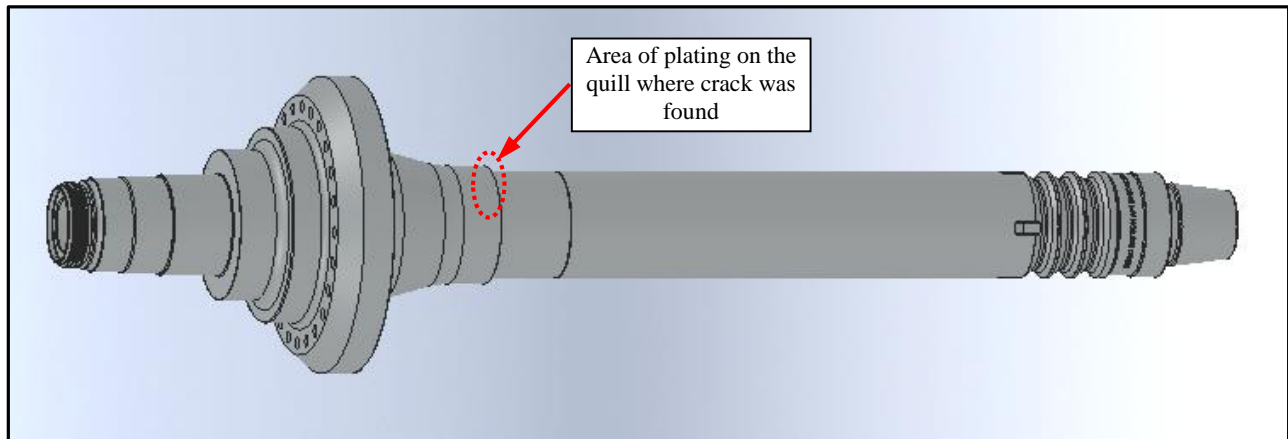


Figure 1: ESI quill with Plating

To date there have been no reported instances of dropping or separation of the top drive quill due to cracking in the area of Plating.

Version	Date (D/M/Y)	ECN	Description of changes
Rev 0	18/12/2014	157-0062	Initial release of document

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Notwithstanding that there have been no incidents involving dropping or separation of the top drive quill due to cracking in the area of the plating, the consequences of such cracking pose significant risk, up to and including the possibility of dropped drill string, damage to the rig and risk of injury or death.

AFFECTED PRODUCTS:

Quills on the following 14 TESCO ESI Top Drive units are affected:

Top Drive Unit #	Quill Serial Number
1279	7-F000391-1-7000061-1-2
1280	7-F000392-1-7000061-1-3
1281	8-F000480-1-7000061-1-1
1282	8-F000507-1-7000061-1-2
1310	8-F000480-1-7000061-1-4
1311	7-F000429-1-7000061-1-3
1312	7-F000434-1-7000061-1-3
1314	7-F000399-1-7000061-1-1
1321	7-F000435-1-7000061-1-1
1328	7-F000391-1-7000061-1-1
1329	7-F000399-1-7000061-1-2
1330	7-F000429-1-7000061-1-2
1332	7-F000417-1-7000061-1-1
1333	7-F000429-1-7000061-1-4

IMMEDIATE ACTION REQUIRED:

Only a small number of the ESI quills with plating were found to have structural deficiencies. However, to ensure the safety of customers, TESCO is recalling all affected quills as part of a thorough investigation to determine the full extent of the issue. Therefore, it is specifically recommended that all ESI Top Drive units listed above cease operating immediately. Contact your local TESCO service center for more information on obtaining a replacement quill.

TESCO SUPPORT:

Please follow the above Immediate Action Required to ensure safe operations. Any continued installation or operation of the affected Top Drives inconsistent with the Required Actions specified herein will be at the sole cost and risk of the user.

For further information, please contact your local TESCO representative.

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