Safety Bulletin		
No: SB099	**Rev: 0**	**Date: August 26, 2016**
Accidental Overload on Elevator Links		

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

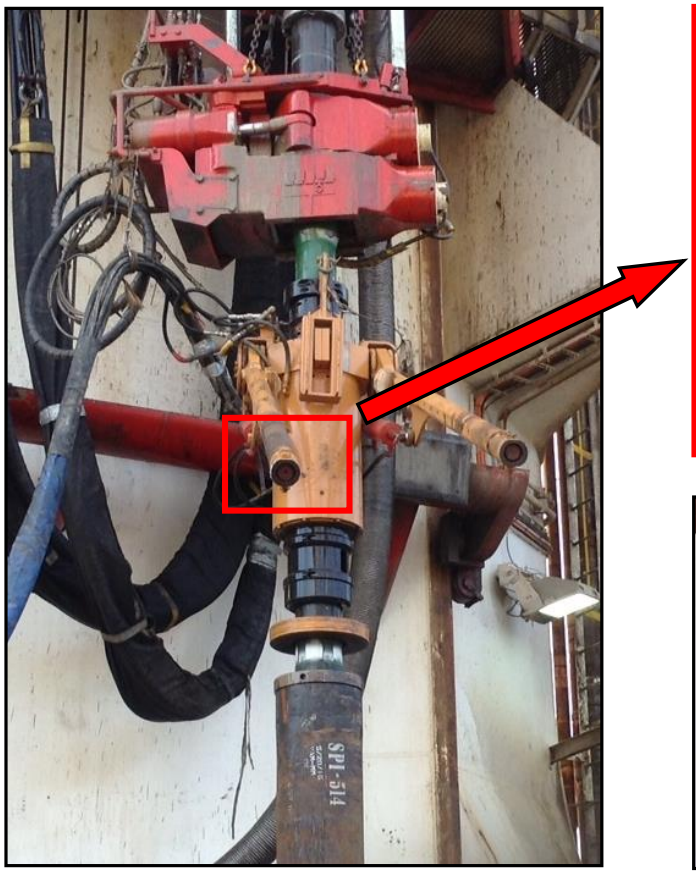
☐ **Internal Use Only** ☑ **External Use**

☑ **Mandatory** ☐ **Recommended**

NOTE: All numbers in parentheses are Tesco part numbers unless otherwise noted.

BACKGROUND INFORMATION

While running a two-step (VAM SLIJ II) connection casing in the well for an offshore rig using the Tesco Casing Drive System™ (CDS™), the 14" casing stand hanging in the single-joint elevator was lowered into the 14" casing string set in the rotary. The pin connection did not set into the box connection properly and hung up on the two-step threads. The driller began to lift the stand to reset the connection but it hung up on the partially engaged threads, causing a load of 40,000-lb on the CDS link tilt system. The welds on both of the CDS link pivot blocks sheared causing an uncontrolled drop of the elevator. The elevator slid along the casing and landed on the slips. No injuries were reported. The job was halted and a secondary tool was used to complete the job.



The investigation into the incident found that the CDS links and elevator performed as designed but was overloaded more than three times the working load limit.

AFFECTED PRODUCTS

All link tilt assemblies as defined by the following drawings:

Part No.	Description	Status
500331	Link Tilt Assembly,Adjustable,10-17ft,6-ton CDS	Superseded (several still remain operating in the field)
810410	Link Tilt Assembly,Adjustable,10-17ft,6-Ton CDS	Superseded (several still remain operating in the field)
860196-1	Link Tilt Assembly,Adjustable,Torque Limiting, CDS	Current
16056	Link Tilt Assembly,Non-adjustable,CDS	Superseded (several still remain operating in the field)
721245	Link Tilt Assembly,Non-adjustable,Torque Limiting,CDS	Superseded (several still remain operating in the field)
860195	Link Tilt Assembly,Non-adjustable,Torque Limiting,CDS	Superseded (several still remain operating in the field)
860195-1	Link Tilt Assembly,Non-adjustable,Torque Limiting,CDS	Current
5032208	Link Tilt Assembly,Non-adjustable,Torque Limiting, 4-1/2" & 5-1/2" CCDS	Current

ACTION REQUIRED

A typical overload condition happens when the complete string is unintentionally lifted with the CDS single-joint links and elevator. One example is where a casing joint is lifted out of box to reset the connection as described in this incident above. The threads may be partially engaged causing the load to transfer to the casing string. This is particularly prevalent in two-step connections with "hooked" threads such as the VAM SLIJ II connection. Whenever casing with this type of threads are run, follow these steps to ensure this does not occur. The steps must be incorporated into local operational procedures.

1. While a single-joint casing or stand is lifted out of the box for any reason, the casing must be rotated anti-clockwise until the threads are completely disengaged even if the casing joint is just dropped into the box without making up or partly making up the connection.
2. Do not lift the casing joint out with the single-joint elevator and links. Instead, stab the CDS into the casing joint and rotate it anticlockwise until the thread is completely disengaged.
3. Stay out of the "red zone" and follow the safety policies of the rig.
4. Use an appropriate pipe guide on the casing stump to ensure the casing is centered when it is stabbed into the box.

Version	Date (D/M/Y)	ECN	Description of changes
Rev 0	08/26/2016	157-0087	Initial release of document