



SAFETY BULLETIN SB008

Date: November 17, 2003

RE: TOPDRIVE QUILL TO SWIVEL CONNECTION RATING

Models Affected: HCI 650T, ECI 650T

Safety Concern:

A recent review of the Topdrive Quill upper pin connection has revealed the capacity under API Design Specification 8c (2.25 times safety factor) to be 576 tons rather than the 650 tons quoted at the time of manufacture.

Background:

Tesco designed and manufactured various models of Topdrives prior to the HCI/ECI models with API, 6 5/8" Reg connections between the Topdrive Quill and Drilling Swivel Quill. All of these prior models had a 2.5" fluid bore and a Box up connection on the Topdrive Quill. The HCI/ECI models were designed with a 3" fluid bore and a box up connection that combined with a 2.5" fluid bore cross over sub provides 650 ton with a 2.25 times safety factor. A later revision changed the Topdrive Quill box connection to a pin and maintained the 3" fluid bore resulting in the 576 ton capacity rating.

Immediate Action Required:

Notify operators of reduction in rated capacity to 576 ton.

Action Required:

Contact Tesco Sales and Service, Technical Solutions department to schedule a replacement quill at:

Phone (403)-233-0757

Fax (403)-252-3362

If there are any questions about or concerns with this document please contact one of the following Tesco Departments

[Health, Safety & Environment](#) or [Sales & Service](#) (403)-233-0757