

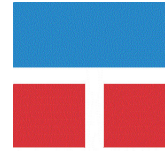
Safety Bulletin

No: SB014

Rev: 1

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Description: Grabber Over Pressure



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TESCO

BACKGROUND INFORMATION

Tesco Electric Top Drives equipped with 9" Grabber's are supplied with closing hydraulic pressure from an intensifier system. The ratio of this intensifier "amplifies" the open loop hydraulic pressure to the closing side of the grabber cylinder. This closing pressure is limited by either an adjustable relief valve or reducing/relief valve. The hydraulic pump relief valve also affects these relief limits, and together if not correctly set (*higher than 5,000 psi*) may result in higher than allowed closing pressures that may cause fatigue failure of the socket head cap screws used to retain the end plate.

MODELS AFFECTED

Electric machines are configured with 9" grabber assemblies and intensifier circuits and the following models are affected by this bulletin:

- EMI, EC, ECI, and ECIS machines.

ACTION REQUIRED

The closing pressure delivered to the close side of the grabber must not exceed 5,000 psi. Ensure that the relief or reducing/relief is set to this pressure. If the tool joint OD is less than 6" OD, please refer to the noted illustrative instructions for a reduced value. The following document and pressure gauge will clarify the setting process and improve the accuracy of the grabber closing pressure:

- Illustrative Instructions, under P/N *TBA* (*document in preparation within Engineering*)
- Closing pressure gauge 0 – 7,500 psi, under P/N 720222

Please contact Tesco Corporation at the following email address on issues specific to this bulletin.

Safety_Technical_Bulletins@TescoCorp.com

Contact your local Tesco Part Sales Center for supply of affected components as noted above.