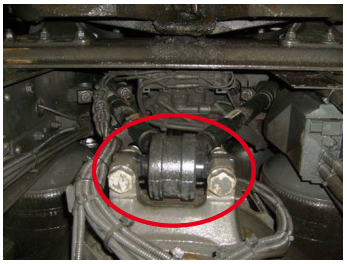
febiEXAKT

Triangular control arm

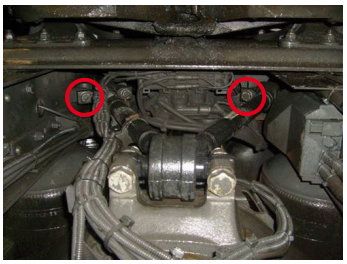
>> PROBLEM:

Premature failure of the triangular control arms central bearing.



>> CAUSE:

Both bearing mounting brackets which link the triangular control arm to the chassis are joined to the chassis via mounting plates.
The mounting plates are attached to the frame with rivets. The components referred to are subject to significant stress during loading and unloading and this applies even more if the truck is overloaded or road conditions are poor.
These loads can lead to the rivets working free. The bearing mounting bracket which is joined directly to the triangular control arm may exhibit play due to the lost rivets. Even a minimum amount of play is enough to transfer additional forces to the central bearing. The central bearing, however, cannot withstand these unforeseen loads and fails as a result of the additional stress.



>> SOLUTION:

Check the mounting plates before fitting a new triangular control arm. If a rivet has been lost, it can be replaced with a screw. This screw is sufficient to minimise the play and the central bearing will again be subjected only to the forces for which it was intended. febi bilstein recommends the use of febi 26709/26710 threadlocker for maximum hold. The liquid plastic which cures in the absence of air prevents release or loosening of the threaded joint between screw and frame even under the most severe operating conditions.

febi no. 26709

febi no. 26710

For example:

Mercedes-Benz Truck triangular control arm

febi no. 22350
Repl. No. 948 350 30 05

febi no. 91200 | Technical data are subject to change

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