

ENGINEERING BULLETIN

Ref Document No.	EB17002	Issue No.	1
Subject	COALTRAM® CT08/CT10LP Lift Cylinder Anchor Point		
Release Date	April 26, 2017		

Purpose – Advise COALTRAM® owners and operators of an upgrade available to limit possible damage to the CT08/CT10LP boom lift cylinder anchor point on the load frame.

Applicability – In service COALTRAM® models – CT08 & CT10LP

Information

Some Coaltram CT08/10LP's have been experiencing an abnormal amount of wear in the boom lift cylinder anchor points. The bush has remained in-tact and has not worn, though, the hole in the frame has stretched and elongated. Wear has then accelerated as the bush and pin move around in the hole.

See photos below for evidence. Note, the top surface should be flat, not raise before rounding down.



Figure 1



Figure 2

This has been caused by excess force in the retract direction of the lift cylinders. This is most likely caused by an excessive amount of force pushing the boom in the up direction.

The bush used in this connection is made from a suitable hardened material in line with all the other bushes on the Coaltram.

There is currently no relief valve on the rod side of the lift cylinders. Any exertion force on the boom in the upward direction will be transferred to these anchor points. The force transferred to the anchor points in that direction can be greatly reduced by reducing the pressure to which the cylinder can be retracted and as a result relieve the pressure if exceeded. This will not have any effect on the load carrying or holding capacity of the Coaltram, consideration has been taken to ensure the front wheels are able to be lifted off the ground.

Recommendations

Installing relief valves on the rod side of the lift cylinders will reduce the likelihood of requiring maintenance including building up and line boring of the anchor points.

Updated drawings and parts book pages are included with this bulletin.

Contact your PPK service centre for pricing on installation or follow the attached SWP CT6.58 in accordance with site procedures. A kit of the required parts is available under part number 5520010199.

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