

SAFETY BULLETIN

Ref Document No.	SB19002	Issue No.	1
Subject	COALTRAM® Jel Seat Dampener Failures		
Release Date	10 th September 2019		

Purpose

To advise owners and operators of failures of the dampeners used in Jel-brand seat assemblies on the COALTRAM®.

Applicability

- COALTRAM® machines fitted with Jel-brand seat assemblies P/N **5520009577**.
- Any other vehicles fitted with Jel-brand seat assemblies utilising the same dampeners.

Background

PPK Mining have been made aware of several failures of the dampeners used in the 5520009577 seat assembly. In one case, it was reported that a failure resulted in an operator striking their head on the machine canopy.



Figure 1 - Jel seat assembly - PPK Part Number 5520009577

Investigation/Findings

Investigation into the cause of the on-site incident revealed failures on the float seat dampeners. The dampeners are used to limit the stroke of the air seat and cushion vertical movements and vibrations. There are two dampeners per seat. The failures were found to have occurred at the rod-end to bush housing weld.



Figure 2 - Jel seat dampener rod-end to bush housing



Figure 3 – Jel dampeners with rod-end to bush housing weld failure

An improved dampener has been developed with a larger diameter cylinder and more welding around the bush housing. This is a more robust product with improved dampening effect. So far, no failures have been reported with this model.

Recommendations

COALTRAM® owners/operators are advised to:

1. Inspect all COALTRAM® machines using new-style Jel seat assemblies for signs of dampener failure, particularly around the bush housing end weld.
2. Replace dampeners with updated model (PPK P/N **5520010539**) at the next maintenance opportunity.

Owners/operators of other vehicles using Jel-brand seat assemblies are advised to contact the Original Equipment Manufacturer or supplier for further information and guidance.

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