

**BULLETIN 34180**

**AUTOMATIC BRAKE FUNCTION**

**UPON MINECRUISER SERVICE BRAKE**

**FAILURE**

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Prepared for: Industry

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**AFFECTED VEHICLES:** MineCruiser Mk7 & Mk6 TBS 095324

**OBSERVATIONS:**

Recently a Minecruiser Mk7 was involved in an incident whereby the service braking system did not function as intended when brake system pressure was lost as a result of impact damage to reservoir drain fittings. When the brake system pressure was lost, the automatic brake system failed to automatically apply the brakes. The Minecruiser was subsequently involved in a collision.

**GE Mining advises the following immediate action in relation to Transport Braking System 095324 installed on GE MineCruisers Mk7s and Mk6s**



**Damaged service brake reservoir fittings**

1. CONFIRM activation of automatic braking system and engine shutdown when system air pressure approaches the lower limit. This should occur between 280-200 Kpa.

This can be done by the following procedure in a non-hazardous flat area:

**Note: This procedure should be reviewed in accordance with any site safety policy and be subject to a job specific Risk Assessment or Job Safety Analysis in accordance with Mine Mangers Rules or site policy.**

- 1.1 Isolate the vehicle from movement via wheel chocks or appropriate means to prevent movement forward or backwards.
- 1.2 Seated in the drivers seat with the drivers door closed, Start the vehicle and allow it to run at low idle.
- 1.3 Once air system pressure has stabilized, release the park brake
- 1.4 Have an assistant open the brake reservoir drain valves. Caution: this will cause compressed air to escape from the drain valve outlet and reduce service brake available pressure.

The vehicle should;

- Apply the automatic brake.
- Run for a short period of time and then shutdown.

Record the system pressure at which brake applies and machine shuts down

1.5 Close the brake reservoir drains and ensure service brake is restored.

If the automatic brake does not apply or if the engine does not shut down:

- Contact a GE Industrea representative to review the machine system operation.
- Place out of service tag in a visible location such as on the start controls or isolation valve in accordance with site specific procedures.
- Follow the Mines Defect Safety Management plan.

**OTHER ACTION:**

2. Fitment of mechanical means of protection is recommended in vehicle configurations where brake system reservoir/accumulator drain fittings are vulnerable to impact damage.

**INFORMATION:**

GE is currently reviewing the design of the brake system, including features related to the automatic brake functionality and will advise of the outcome of that review in due course.

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