

GE Mining
Industrea

**GE MINING BULLETIN 35660:
MineCruiser Transport Braking System Upgrade
MDR 095324-3 TBS**

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Prepared for: Industry
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Communication: MineCruiser Brake System Upgrade MDR 095324-3 TBS

Following a failure of the Loss of Pressure Detection System (**System**) on a MineCruiser Mk7, GE Mining released Bulletin 34180 and an addendum to that Bulletin which set out instructions for owners to test the System on their MineCruiser Mk7s.

GE Mining has completed a design failure modes and effects analysis of the System.

Certain improvements to the design were identified as a result of that analysis to help increase the reliability and responsiveness of the System and the service brake pressure indication namely:

1. Individual detection on front and rear service brake pneumatic pressure lines;
2. Service brake pressure gauges changed from measuring pneumatic actuation pressure to measuring hydraulic applied pressure; and
3. Movement of the pilot signal line for loss of pressure detection to downstream of the air filter lubricator.

Updates have also been made to the MineCruiser Service and Maintenance Schedule C-CW 105 and In-Service Brake Testing Procedure EB0022 to include:

1. Maximum replacement intervals for safety critical components;
2. Inspection of brake disk minimum thickness; and
3. Proof testing for individual loss of service brake pressure detection components.

Recommendations

GE Mining recommends that the improvements described above be implemented at the next available service opportunity.

The specific System changes are described in the design registration documentation for MDR 095324-3 TBS.

Consideration should also be given to the updated Maintenance Schedule C-CW105 and In-Service Brake Testing Procedure EB0022 and their implementation into the safety management system for the vehicle.

In assessing these recommendations consideration should be given of the duty cycle and severity of the operating environment of the relevant MineCruiser. Severe operating conditions may warrant reduced intervals for the specified maintenance activity.

Cougar Mining Group

GE Mining recently announced its decision to exit the Industrea Mining Equipment business which manufactured the MineCruiser Mk7. Various assets related to that business were sold to entities affiliated with Cougar Mining Group.

Cougar Mining Group contact information is set out below should arrangements relating to this Bulletin need to be made.

Please distribute this bulletin to all relevant personnel

GE Mining contacts in respect to this bulletin:

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Cougar contacts in respect to this Bulletin:

Engineering	Kevin McCosh	0437 933 945
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Workshop Co-ordinator	Garrad Latham	0434 777 473
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Reference Documents:

34180 Automatic Brake Function - Upon MineCruiser Service Brake Failure

Addendum to Bulletin 34180

MineCruiser Service and Maintenance Schedule C-CW 105

In-Service Brake Testing Procedure EB0022

MDR 095324-3 TBS