



Technical Service Bulletin

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Air Compressor Malfunction Caused by Water Ingestion from Charge Air Cooler	

Air Compressor Malfunction Caused by Water Ingestion from Charge Air Cooler

Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Information Only - OEM Related Matter Not Covered By Cummins® - Contact Appropriate OEM Dealer or OEM Representative For Additional Information

Contents

Product Affected

Engine:

- B6.7 CM2350 B121B
- ISB6.7 CM2350 B101

Chassis Make:

- International®
- IC Bus

Chassis Model:

- Durastar®

- CE Series School Bus

Chassis Build Date Range:

- November 2015 to November 2020

Issue

Symptom:

- Air compressor will **not** build air/slow to build air
- Lubricating oil leaks

Root Cause:

- Air compressor ingesting moisture from air compressor inlet tube supplied by Navistar. Air compressor inlet tube is connected at charge air cooler and condensation can collect at connection because of charge air cooler casting design.

Verification

- Verify air compressor inlet tube is connected to port on charge air cooler below charge air cooler outlet pipe. See Figure 1 below.
- Verify air compressor inlet tube is connected from charge air cooler connection referenced in Figure 1 to inlet connection on air compressor. Air inlet tube will either be bulk hose in convolute or a formed rubber hose. See Figure 2 below.
- Verify air compressor malfunction was caused by water ingestion. Air compressor unloader and valve assembly or air compressor cylinder can show signs of corrosion. See Figures 3 and 4 below.
- There can be damage to air compressor connecting rod assembly or air compressor crankcase caused by hydro locking.



Figure 1, Air Compressor Inlet Tube Port on Charge Air Cooler Causing Water Ingestion.



Figure 2, Air Compressor Inlet Tube from Charge Air Cooler to Air Compressor Inlet.

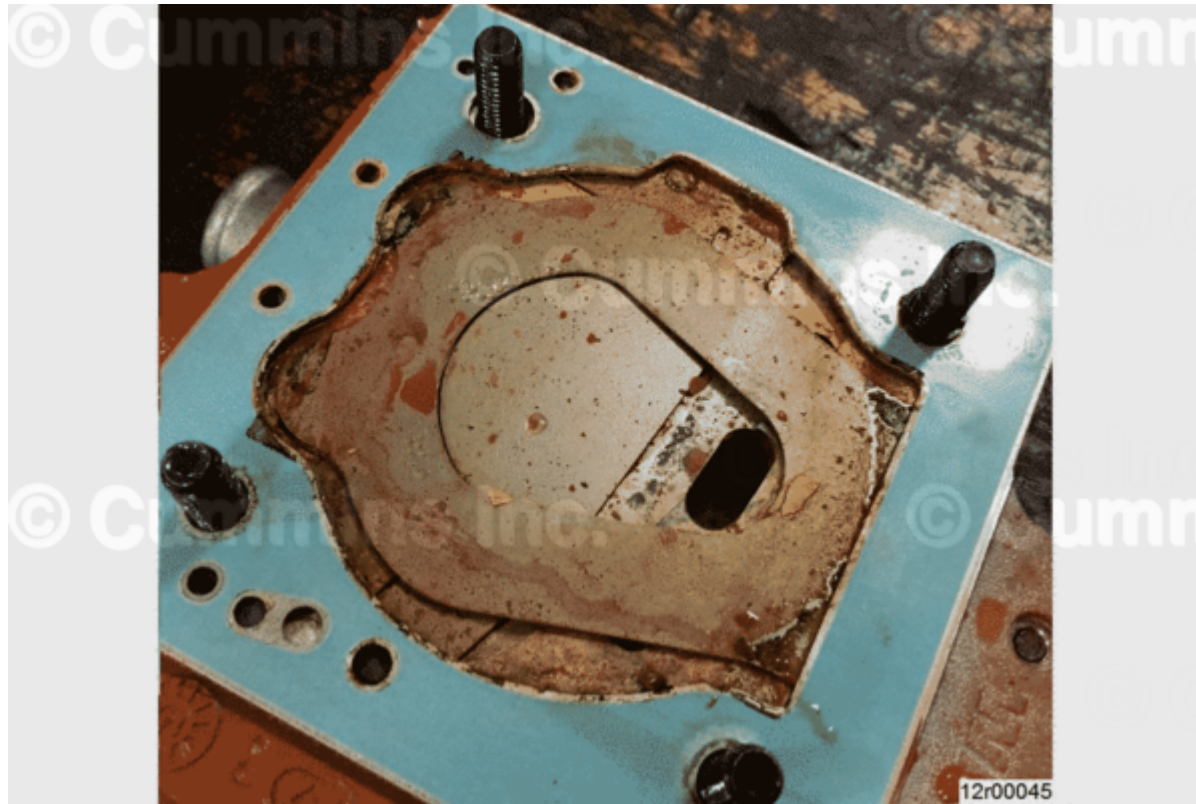


Figure 3, Corrosion Present On Air Compressor Unloader and Valve Assembly.



Figure 4, Corrosion Present in Air Compressor Cylinder.

Resolution

- For International® authorized repair locations, open a Navistar® Tech Support Case File for repair direction pertaining to malfunctioned parts on engine as well as for changing air compressor inlet tube configuration.
- If repair location is **not** authorized by International, please contact closest International® authorized repair location.

Document History

Date	Details
2017-3-1	Module Created
2021-5-10	Updated Chassis Build Date Range.

Last Modified: 11-May-2021
