

Technical Service Bulletin Number
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TSB150196



Technical Service Bulletin

Subject

Natural Gas Leak into Engine Cooling System

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

- B Gas International CM556
- B Gas Plus CM556
- B Gas Plus CM556
- B5.9G
- C Gas Plus
- C Gas Plus CM556
- C8.3G
- ISB5.9 G CM2180
- ISC8.3 G CM2180 C101
- ISL G CM2180 EJ
- ISX12 G CM2180 EJ
- L Gas Plus CM556
- L10 Gas

Issue

Many compressed natural gas (CNG) and liquefied natural gas (LNG) fuel systems use engine coolant to warm the natural gas high pressure regulator and/or heat exchanger. A leaking original equipment manufacturer (OEM) high pressure fuel system component can cause natural gas to leak into the engine cooling system. This natural gas leak forces coolant out the coolant reservoir.

Verification

WARNING

If natural gas leaks are present, do not store the vehicle inside or in any area that is covered. Severe personal injury can result from asphyxiation or explosion.

WARNING

Natural gas is explosive and flammable. Always be sure to maintain adequate ventilation in the work area. Keep all cigarettes, flames, pilot lights, arcing equipment, and switches out of the work area and areas with shared ventilation to reduce the possibility of severe personal injury or death when working on a natural gas system.

WARNING

Natural gas is lighter than air. Check the ceiling of the area where work is to be done for any possible ignition source.

WARNING

Always have proper ventilation when working on a natural gas system

When diagnosing external coolant loss:

- Check the coolant reservoir for the presence of natural gas. Use a combustible gas detector, Part Number 3165179, to check for natural gas inside the coolant reservoir.
- Visually check to see if bubbles are present with the engine off and high pressure fuel valve on.
- If bubbles are **not** observed and the leak detector does **not** detect combustible gas in the coolant reservoir, proceed with published troubleshooting.
- If bubbles are observed or the leak detector detects gas, the high pressure fuel system **must** be tested for leaks. See the Resolution section below.

Resolution

Troubleshoot the high pressure fuel system components. See equipment manufacturer service

information or OEM fuel system supplier instructions.

Fuel system provider customer service contact numbers*:

- Agility® Fuels Systems +1-949-267-7745
- Trilogy Arctic Fox® Inline CNG fuel heater +1-330-915-2303 extension 109
- Quantum Technologies + 1-800-816-8691
- Chart® Industries + 1-888-877-3093

NOTE: *Contact information subject to change. This is not a complete list of fuel system providers.

Document History

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2015-12-16	Module Created

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