Knowledge

FSB 22-11-1084 Low Conductivity (LC) Coolant specs, purchasing, and BoM

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Information

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Field Service Bulletin

Issue Description (Rich Text)

Customers are being advised to purchase the low conductivity coolant used in Battery Electric Bus (BEB) Battery Thermal Management System (BTMS) directly from the manufacturer, Dynalene.

For field issues during PDI, Field Service engineering is advising Field Service Reps to contact the local Cummins dealer first if the BTMS loop needs a top off. If the local Cummins dealer is unable to provide coolant, a 5 gallon 50/50 mix (aka "premixed") of dynalene coolant can be ordered thru Gillig as a drop shipment using part number 65-83768-000.

For general maintenance of the BTMS coolant loop:

- Check coolant level daily. Any replacement or top off coolant for the BTMS circuit must be a Low Conductivity Ethylene Glycol (LC-EG) type coolant.
- After the initial coolant fill, check the coolant conductivity once per month. If conductivity exceeds 75 micro-Siemens, flush (with deionized water) and refill the BTMS loop and replace the ion exchange cartridge.
- After three months if the conductivity has not exceeded 75 micro-Siemens, change to conductivity checks every three months.
- When the conductivity exceeds 75 micro-Siemens, flush and replace LC coolant and the ion exchange cartridge.
- Continue with conductivity testing every 3 months.

- Replace the BTMS ion exchange cartridge every 6 months or if LC coolant conductivity measurements exceed 75 micro-Siemens

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Deionized water may be obtained from a local Cummins distributor. Do not used distilled or purified water.

A conductivity meter is required to test low conductivity coolant. GILLIG recommends the Oakton 5 Series Conductivity Pocket Tester, Model CTS 50C.

Symptoms (Rich Text)

None

Tools Required (Rich Text)

None

Parts Required:

line Item	Gillig Part Number	Description	quantity
1	65-83768-000	Dynalene 50/50 (premixed)	5 gallons
2	01-83766-000	Ion Exchange Filter	1

Diagnostic Steps

None.

Repair Steps

None.

Labor Information

Warranty Claims

Repair is reimbursable through GILLIG Warranty. Include the Repair Plan bulletin number in the “Describe Specific Repairs Section” (3C’s) of GILLIG Application for Warranty Form.

Parts Return Disposition

Vendor Article

Visibility

Visible In Internal App

Visible to Customer

Visible In Public Knowledge Base