COOLANT REPORT

CORROSION	**NORMAL**
CONTAMINANTS	**ABNORMAL**
COOLANT CONDITION	**NORMAL**

Area
CRH CANADA GROUP INC [154438]
Machine Id
00327052
Component
Coolant
Fluid
CONVENTIONAL COOLANT (--- GAL)

RECOMMENDATION

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer`s specifications. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**CU0023336**	---	---
Sample Date		Client Info		**23 May 2024**	---	---
Machine Age	hrs	Client Info		**3194**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**Not Changd**	---	---
Sample Status				**ABNORMAL**	---	---

CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

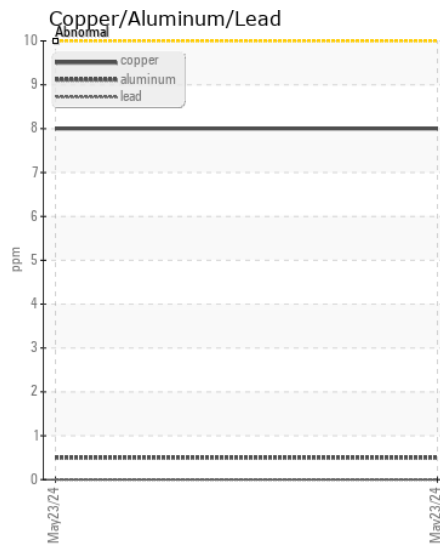| Test	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185(m)	>15	**0**	---	---
Aluminum	ppm	ASTM D5185(m)	>10	**<1**	---	---
Copper	ppm	ASTM D5185(m)	>10	**8**	---	---
Lead	ppm	ASTM D5185(m)	>10	**0**	---	---
Tin	ppm	ASTM D5185(m)	>10	**0**	---	---
Silver	ppm	ASTM D5185(m)	>10	**0**	---	---
Zinc	ppm	ASTM D5185(m)	>10	**<1**	---	---

CONTAMINANTS

There is no indication of any contamination in the coolant.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Calcium	ppm	ASTM D5185(m)	>100	**<1**	---	---
Magnesium	ppm	ASTM D5185(m)	>40	**1**	---	---
Appearance	scalar	Visual*	NORML	**NORML**	---	---
Odor	scalar	Visual*	NORML	**NORML**	---	---
Coolant Appearance		Visual*	Clear	⚠ **Cloudy**	---	---

COOLANT CONDITION

The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Boiling Point	°C	WC Method*		**111**	---	---
Specific Gravity		ASTM D1298*		**1.081**	---	---
pH	Scale 0-14	ASTM D1287*	9.5	**8.86**	---	---
Nitrites	ppm	Alcan Test Kit*	1500	**1600**	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	**8.3**	---	---
Percentage Glycol	%	ASTM D3321*	50	**61.2**	---	---
Freezing Point	°C	ASTM D3321*	-40	**-51**	---	---
Carboxylate				**---**	---	---
Silicon	ppm	ASTM D5185(m)		**11**	---	---
Phosphorus	ppm	ASTM D5185(m)		**910**	---	---
Boron	ppm	ASTM D5185(m)		**192**	---	---
Molybdenum	ppm	ASTM D5185(m)		**478**	---	---
Sodium	ppm	ASTM D5185(m)		**2825**	---	---
Potassium	ppm	ASTM D5185(m)		**5954**	---	---
Coolant Color		Visual*	Green	**Other**	---	---
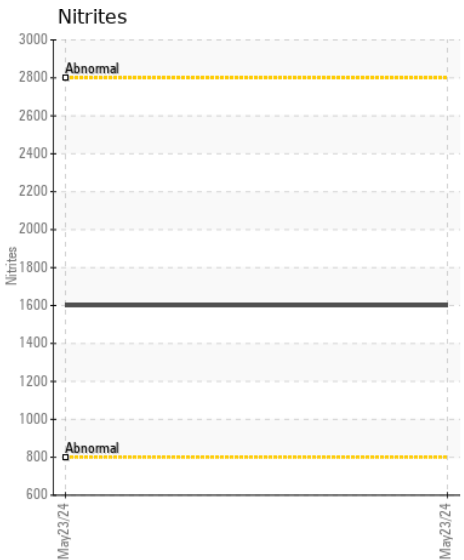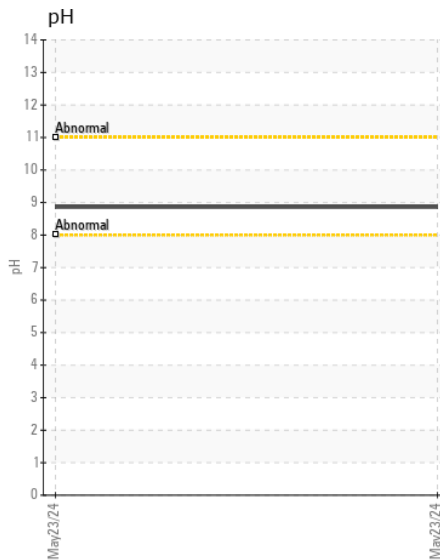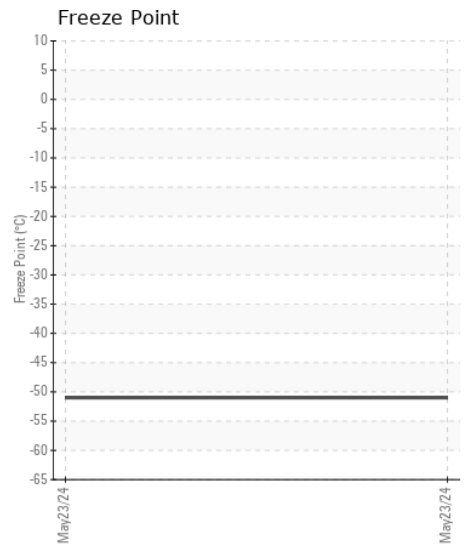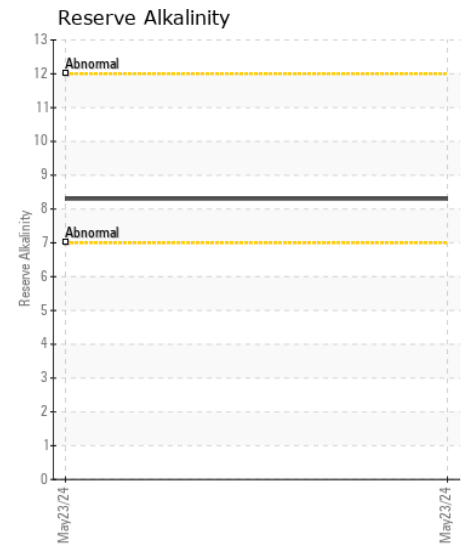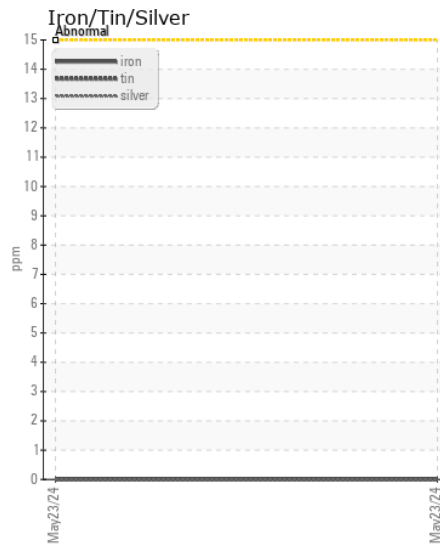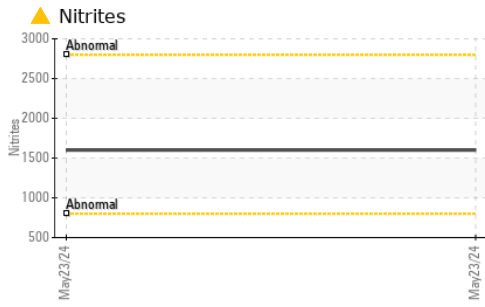
Nitrites
Abnormal
Abnormal

Iron/Tin/Silver
- iron
- tin
- silver
ppm

Reserve Alkalinity
Abnormal
Abnormal

Copper/Aluminum/Lead
Abnormal
- copper
- aluminum
- lead
ppm

Freeze Point
Freeze Point (°C)

pH
Abnormal
Abnormal
pH

Nitrites
Abnormal
Abnormal
Nitrites

CUMMINS CANADA ULC - GENERATOR DIVISION
7175 PACIFIC CIRCLE
MISSISSAUGA, ON
CA L5T 2A5
Contact: Elisia Johnson
elisia.johnson@cummins.com
T: (905)795-0050
F: (905)795-9252