



COOLANT REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>

Area  
**JOHNSON CONTROLS [154160]**  
 Machine Id  
**33196952**  
 Component  
**Coolant**  
 Fluid  
**FLEETGUARD ES COMPLEAT (--- GAL)**

**RECOMMENDATION**

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CU0022838</b>	CU0019034	CU0015877
Sample Date		Client Info		<b>08 Mar 2024</b>	07 Feb 2022	10 Feb 2020
Machine Age	hrs	Client Info		<b>494</b>	348	242
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	N/A	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**CORROSION**

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

Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>10	<b>2</b>	8	4
Copper	ppm	ASTM D5185(m)	>10	<b>1</b>	2	2
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	1	<1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	0

**CONTAMINANTS**

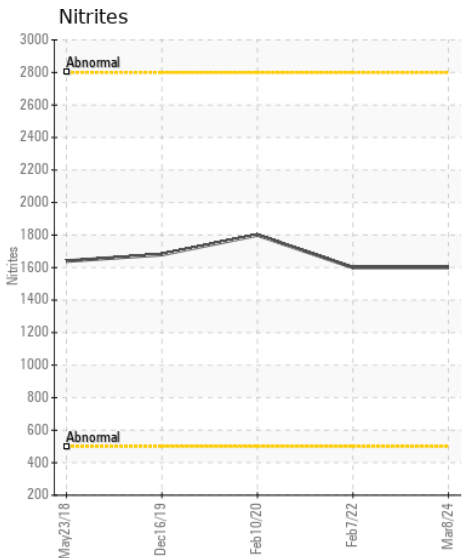
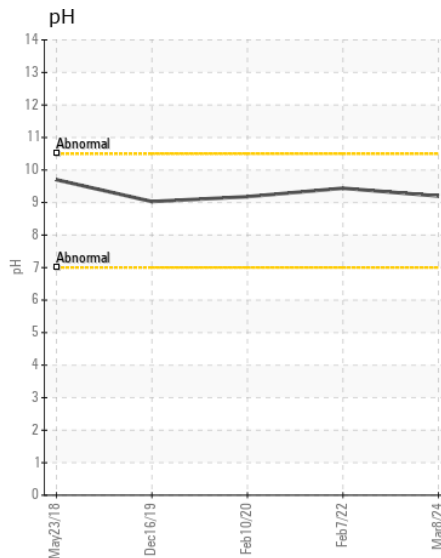
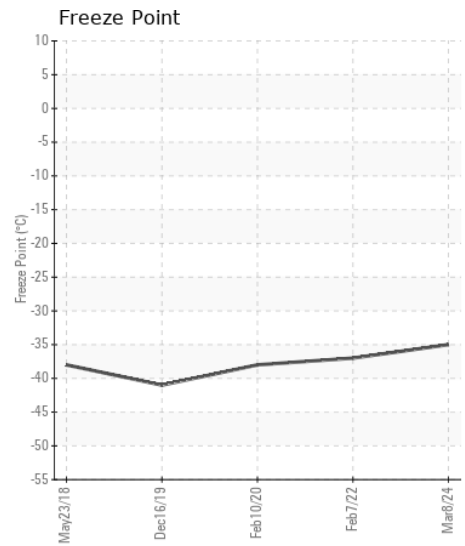
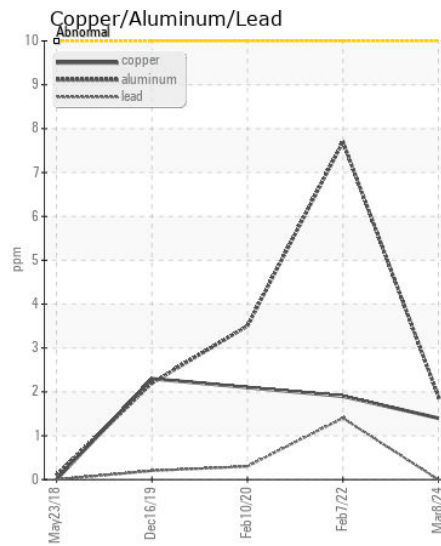
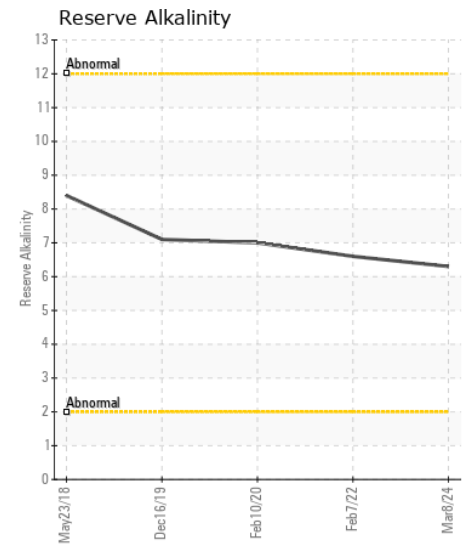
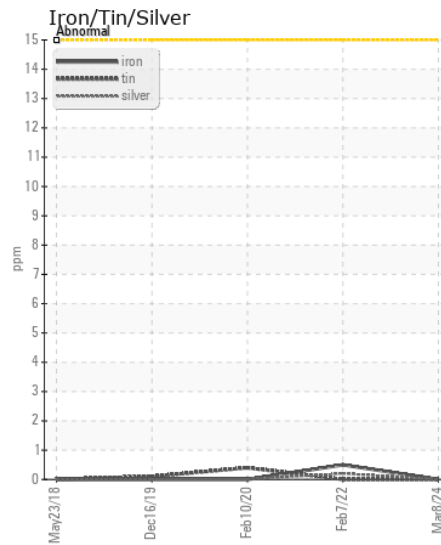
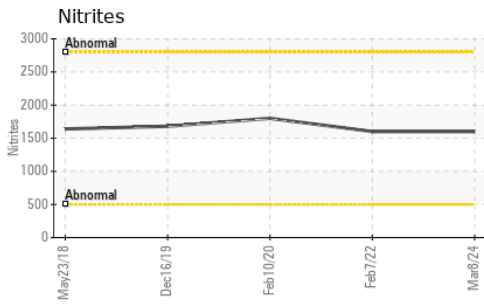
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>1</b>	2	1
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	2	<1
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Coolant Appearance		Visual*	Clear	<b>Clear</b>	Clear	Clear

**COOLANT CONDITION**

The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Boiling Point	°C	WC Method*		<b>107</b>	---	---
Specific Gravity		ASTM D1298*	1.07	<b>1.066</b>	1.067	1.067
pH	Scale 0-14	ASTM D1287*	10.5	<b>9.20</b>	9.44	9.18
Nitrites	ppm	Alcan Test Kit*		<b>1600</b>	1600	1800
Reserve Alkalinity	Scale 0-20	ASTM D1121*	5.0	<b>6.3</b>	6.6	7.0
Percentage Glycol	%	ASTM D3321*		<b>48.9</b>	50.0	50.0
Freezing Point	°C	ASTM D3321*	-37	<b>-35</b>	-37	-38
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>37</b>	63	48
Phosphorus	ppm	ASTM D5185(m)		<b>752</b>	875	1046
Boron	ppm	ASTM D5185(m)		<b>229</b>	303	383
Molybdenum	ppm	ASTM D5185(m)		<b>377</b>	485	508
Sodium	ppm	ASTM D5185(m)		<b>1073</b>	1031	1407
Potassium	ppm	ASTM D5185(m)		<b>3650</b>	2210	3404
Coolant Color		Visual*	Blue	<b>Other</b>	Blue	Green



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0022838  
**Lab Number** : 02640902  
**Unique Number** : 5798441  
**Test Package** : COOL ( Additional Tests: GlycolType )  
**Received** : 10 Jun 2024  
**Tested** : 11 Jun 2024  
**Diagnosed** : 11 Jun 2024 - Kevin Marson

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