



# COOLANT REPORT

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

Area  
**ESTRUXTURE [154144]**  
 Machine Id  
**25398218 GEN 7**  
 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>CU0022841</b>	CU0020099	CU0019256
Sample Date		Client Info		<b>22 Mar 2024</b>	25 Nov 2022	13 Apr 2022
Machine Age	hrs	Client Info		<b>201</b>	191	174
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

## CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	2	8
Aluminum	ppm	ASTM D5185(m)	>10	<b>4</b>	4	5
Copper	ppm	ASTM D5185(m)	>10	<b>2</b>	3	3
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Zinc	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	3

## CONTAMINANTS

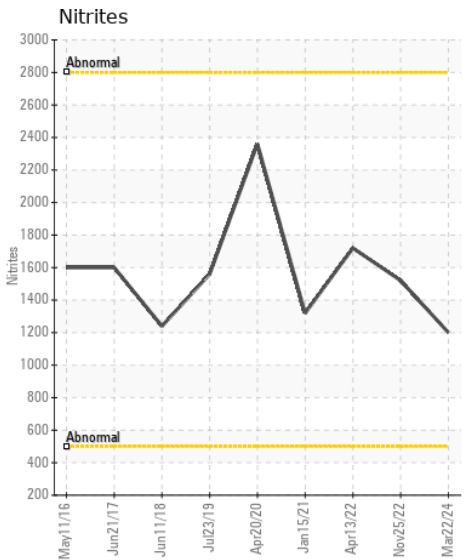
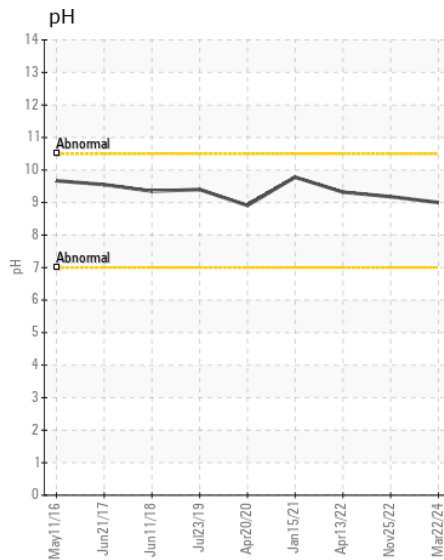
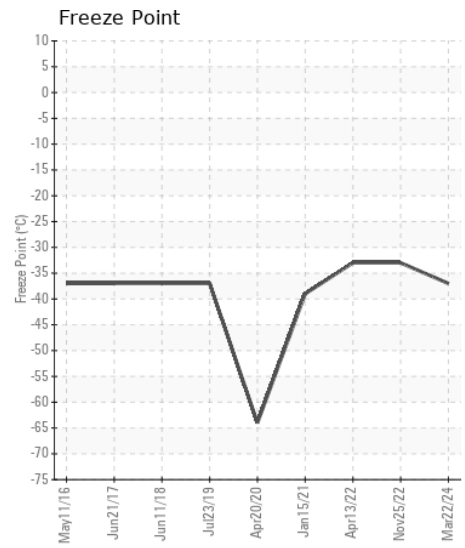
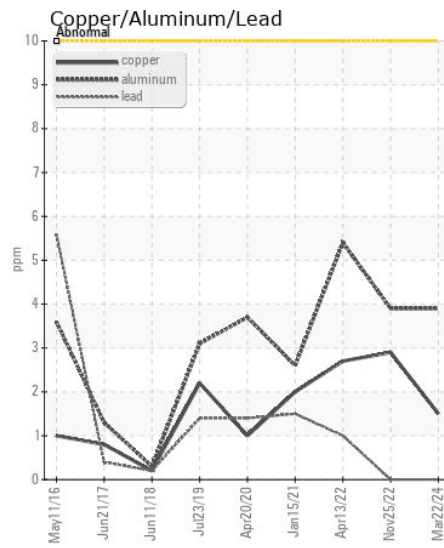
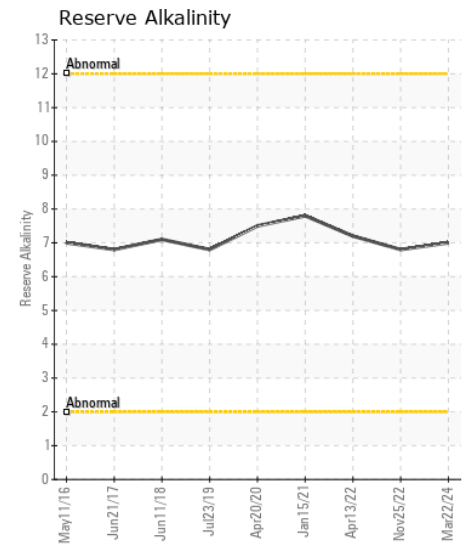
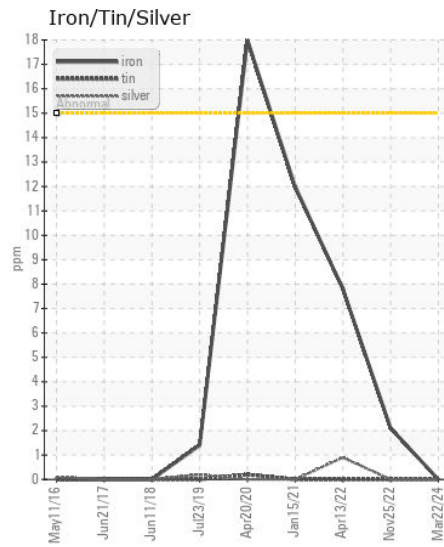
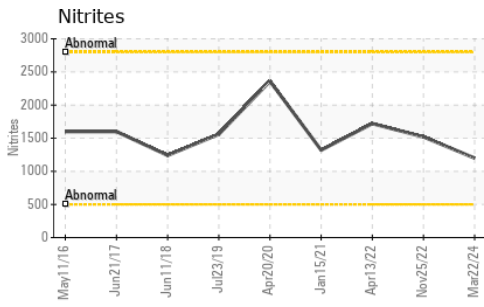
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<b>1</b>	1	2
Magnesium	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<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>	Cloudy	▲ Cloudy

## 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>1.067</b>	1.067	1.067
pH	Scale 0-14	ASTM D1287*	10.5	<b>9.00</b>	9.18	9.32
Nitrites	ppm	Alcan Test Kit*		<b>1200</b>	1520	1720
Reserve Alkalinity	Scale 0-20	ASTM D1121*	5.0	<b>7.0</b>	6.8	7.2
Percentage Glycol	%	ASTM D3321*		<b>50.0</b>	49.7	49.8
Freezing Point	°C	ASTM D3321*	-37	<b>-37</b>	-33	-33
Carboxylate				<b>---</b>	---	---
Silicon	ppm	ASTM D5185(m)		<b>56</b>	61	63
Phosphorus	ppm	ASTM D5185(m)		<b>741</b>	748	769
Boron	ppm	ASTM D5185(m)		<b>256</b>	299	299
Molybdenum	ppm	ASTM D5185(m)		<b>457</b>	521	531
Sodium	ppm	ASTM D5185(m)		<b>1403</b>	1345	1143
Potassium	ppm	ASTM D5185(m)		<b>4712</b>	2935	2266
Coolant Color		Visual*	Blue	<b>Blue</b>	Green	Green



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : CU0022841  
**Lab Number** : 02632120  
**Unique Number** : 5773273  
**Test Package** : COOL ( Additional Tests: GlycolType )

**CUMMINS CANADA ULC - GENERATOR DIVISION**  
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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.