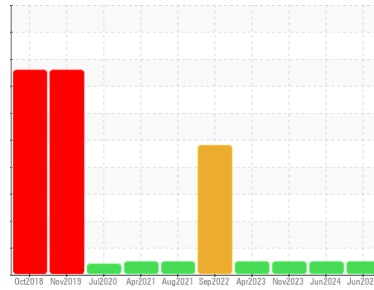




# COOLANT REPORT

Sample Rating Trend



**NORMAL**



Area

**Power Generation**

Machine Id

**V837270 STANDBY POWER GENERATION 4160B PACKAGE**

Component

**Coolant**

Fluid

**EXTENDED LIFE COOLANT (--- GAL)**

## DIAGNOSIS

### Recommendation

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

### Corrosion

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

### Contaminants

There is no indication of any contamination in the coolant.

### 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.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PP14005838</b>	PC14001678	PP13927504
Sample Date	Client Info	<b>20 Jun 2024</b>	08 Jun 2024	11 Nov 2023
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Glycol Type	FT-IR	<b>UNK</b>	UNK	---
Specific Gravity	ASTM D1298*	<b>1.065</b>	1.065	1.065
pH	Scale 0-14 ASTM D1287*	<b>7.98</b>	7.92	8.30
Nitrites	ppm Alcan Test Kit*	<b>880</b>	1000	1080
Reserve Alkalinity	Scale 0-20 ASTM D1121*	<b>2.8</b>	2.2	2.0
Percentage Glycol	% ASTM D3321*	<b>47.9</b>	47.8	48.3
Freezing Point	°C ASTM D3321*	<b>-33</b>	-33	-31
Carboxylate		<b>---</b>	---	---

## CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	<b>31</b>	31	23
Phosphorus	ppm ASTM D5185(m)	<b>8</b>	26	12
Boron	ppm ASTM D5185(m)	<b>60</b>	64	53
Molybdenum	ppm ASTM D5185(m)	<b>158</b>	157	148

## CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m)	<b>&gt;15</b>	0	0
Aluminum	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Copper	ppm ASTM D5185(m)	<b>&gt;10</b>	0	0
Lead	ppm ASTM D5185(m)	<b>&gt;10</b>	0	0
Tin	ppm ASTM D5185(m)	<b>&gt;10</b>	0	0
Silver	ppm ASTM D5185(m)	<b>&gt;10</b>	0	<1
Zinc	ppm ASTM D5185(m)	<b>2</b>	1	0

## CARRIER SALTS

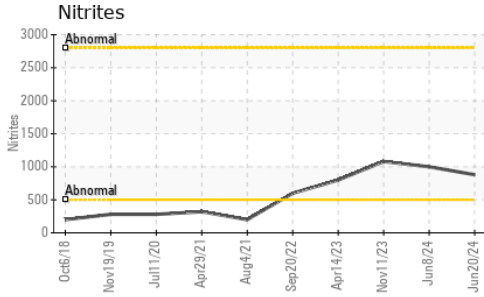
method	limit/base	current	history1	history2
Sodium	ppm ASTM D5185(m)	<b>3841</b>	3779	5152
Potassium	ppm ASTM D5185(m)	<b>4128</b>	4164	6370

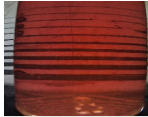
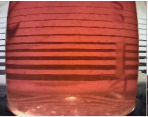
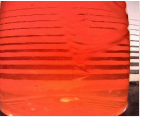



## SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D5185(m)	<b>&gt;100</b>	6	6
Magnesium	ppm ASTM D5185(m)	<b>&gt;40</b>	3	3
Hardness	mg/L CaCO3 In-house*	<b>&lt;75</b>	23	24

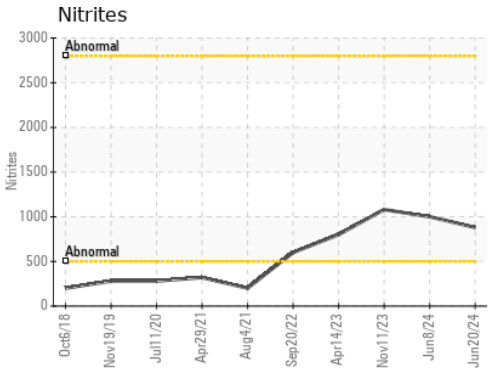
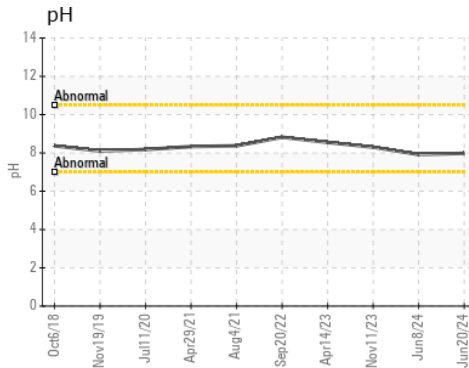
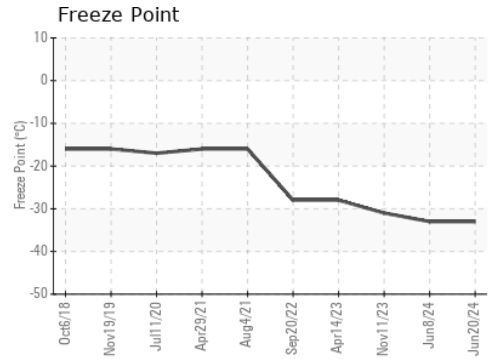
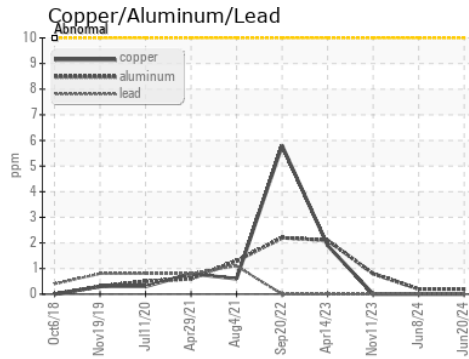
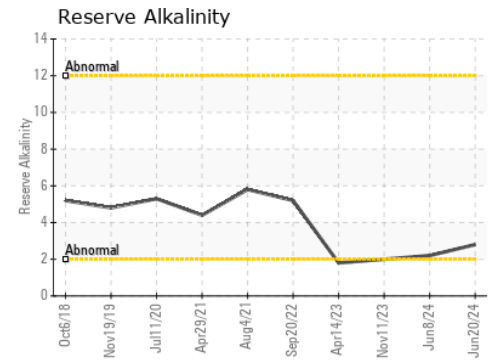
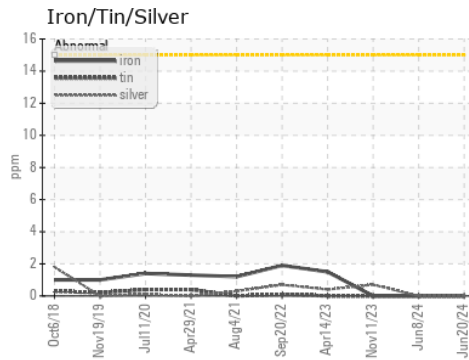


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	Visual*	Orange/R	<b>Red</b>	Red	Red
Coolant Appearance	Visual*	Clear	<b>Clear</b>	Clear	Clear
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PP14005838 **Received** : 15 Jul 2024  
**Lab Number** : 02647959 **Tested** : 16 Jul 2024  
**Unique Number** : 5813511 **Diagnosed** : 16 Jul 2024 - Kevin Marson  
**Test Package** : COOL ( Additional Tests: GlycolType )

**ExxonMobil Canada East Ltd.**  
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 St. John's, NL  
 CA A1C 6K3  
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 T: (709)273-3729  
 F:

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.