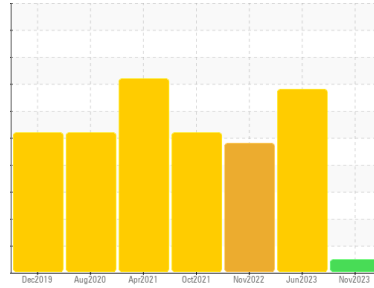




# COOLANT REPORT

## Sample Rating Trend



**NORMAL**



Area  
**Firewater**  
Machine Id  
**V411201A FWP PACKAGE A**  
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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PP13931892</b>	PP13872680	PP13819706
Sample Date	Client Info			<b>08 Nov 2023</b>	03 Jun 2023	12 Nov 2022
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	SEVERE	SEVERE

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*			<b>1.065</b>	1.065	1.065
pH	Scale 0-14	ASTM D1287*	9.0	<b>8.14</b>	8.60	8.24
Nitrites	ppm	Alcan Test Kit*		<b>1400</b>	1040	560
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>1.9</b>	3.8	2.4
Percentage Glycol	%	ASTM D3321*	50	<b>48.2</b>	48.1	47.9
Freezing Point	°C	ASTM D3321*	-40	<b>-31</b>	-31	-28
Carboxylate				<b>---</b>	---	---

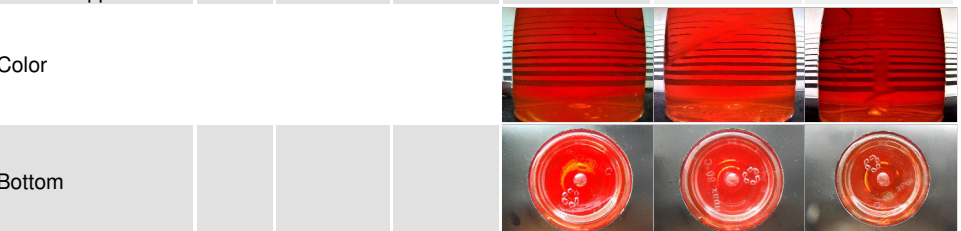
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		<b>26</b>	22	25
Phosphorus	ppm	ASTM D5185(m)		<b>14</b>	9	10
Boron	ppm	ASTM D5185(m)		<b>51</b>	76	58
Molybdenum	ppm	ASTM D5185(m)		<b>156</b>	179	186

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	1	1
Aluminum	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	3
Copper	ppm	ASTM D5185(m)	>10	<b>0</b>	2	2
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	0
Zinc	ppm	ASTM D5185(m)		<b>0</b>	3	2

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		<b>5573</b>	3033	3048
Potassium	ppm	ASTM D5185(m)		<b>6717</b>	2692	2809

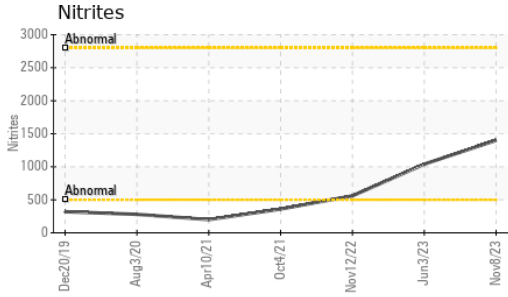
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	<b>8</b>	28	5
Magnesium	ppm	ASTM D5185(m)	>40	<b>4</b>	5	6
Hardness	mg/L CaCO3	In-house*	<75	<b>37</b>	91	34

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

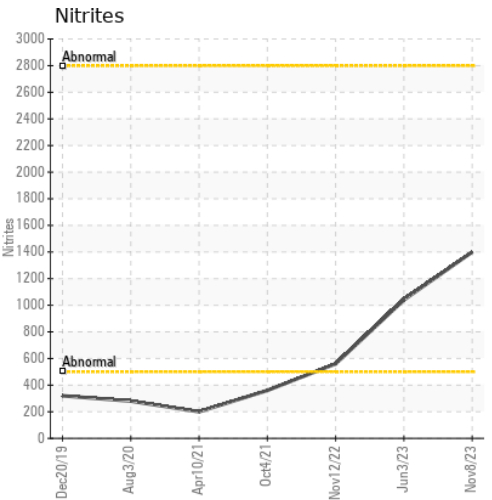
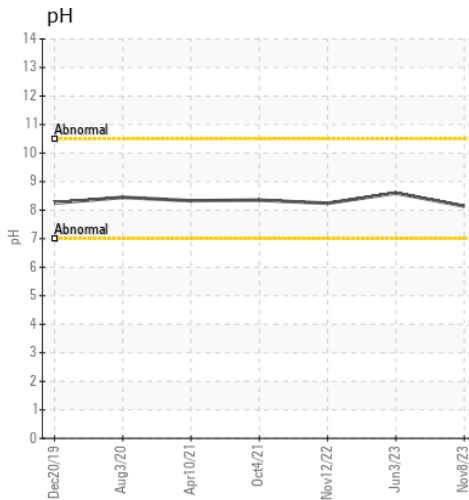
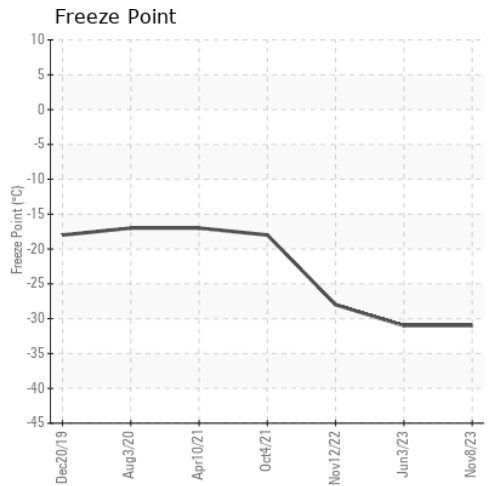
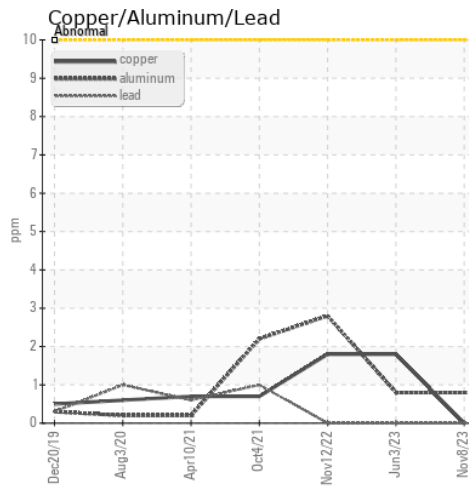
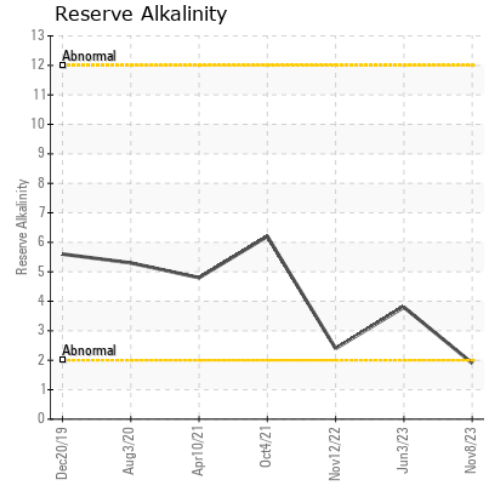
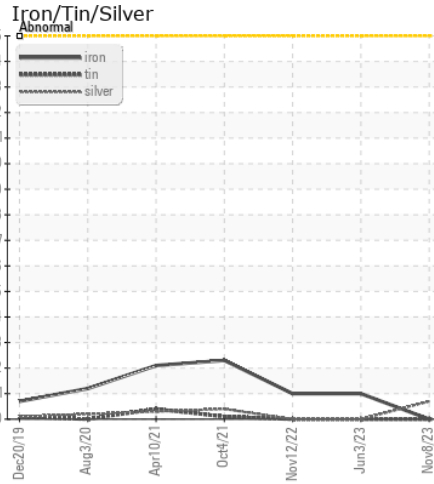




# COOLANT REPORT



## GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
 Sample No. : PP13931892  
 Lab Number : 02602435  
 Unique Number : 5695520  
 Test Package : COOL

**ExxonMobil Canada East Ltd.**  
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 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.