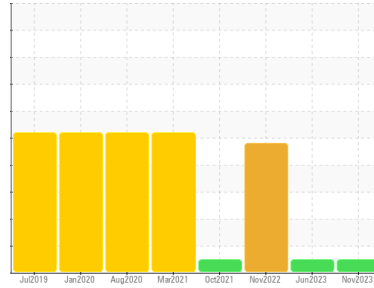




COOLANT REPORT

Sample Rating Trend

NORMAL



Area
Firewater
 Machine Id
V411201C FWP PACKAGE C
 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			PP13931893	PP13868870	PP13819708
Sample Date	Client Info			09 Nov 2023	01 Jun 2023	05 Nov 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	SEVERE

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*			1.064	1.065	1.064
pH	Scale 0-14	ASTM D1287*	9.0	8.27	8.65	8.35
Nitrites	ppm	Alcan Test Kit*		1200	800	560
Reserve Alkalinity	Scale 0-20	ASTM D1121*		2.0	3.3	2.5
Percentage Glycol	%	ASTM D3321*	50	47.7	48.0	47.3
Freezing Point	°C	ASTM D3321*	-40	-28	-31	-28
Carboxylate				---	---	---

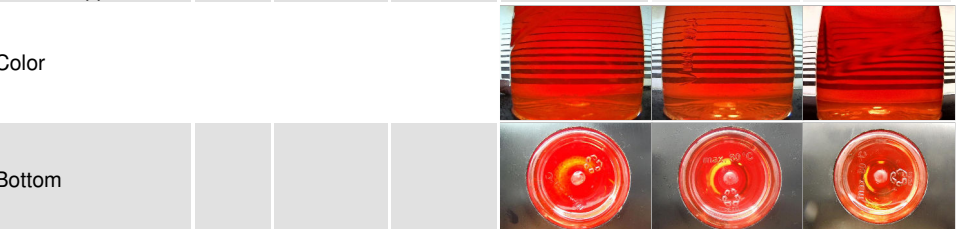
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		24	18	23
Phosphorus	ppm	ASTM D5185(m)		36	7	31
Boron	ppm	ASTM D5185(m)		48	59	60
Molybdenum	ppm	ASTM D5185(m)		159	174	193

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

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		5289	2905	2977
Potassium	ppm	ASTM D5185(m)		7282	2669	2852

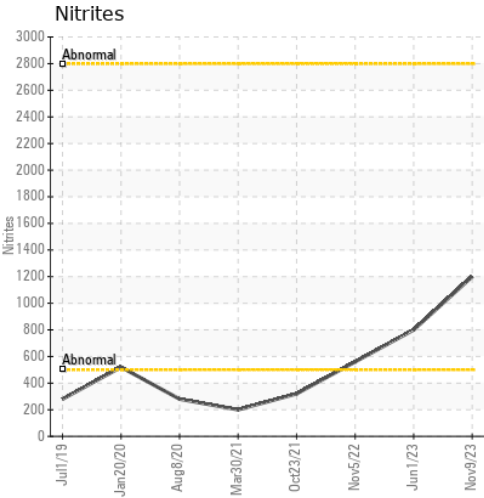
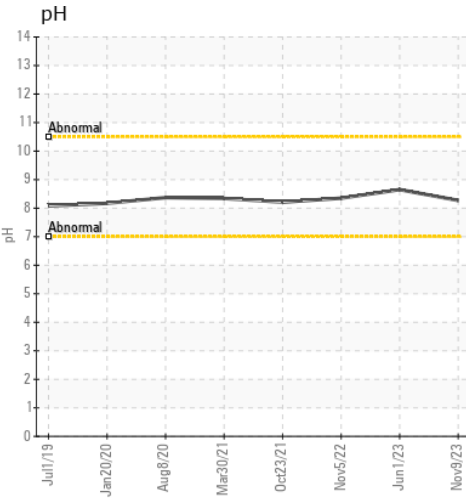
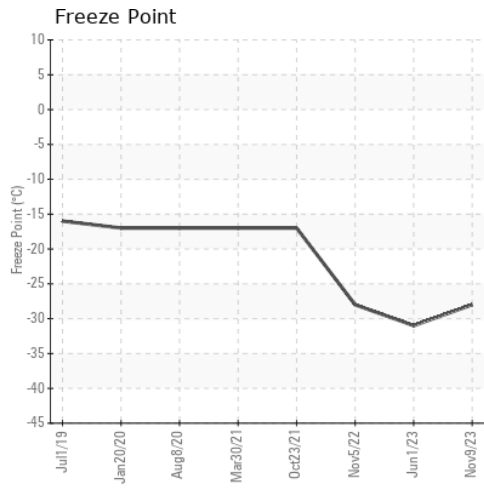
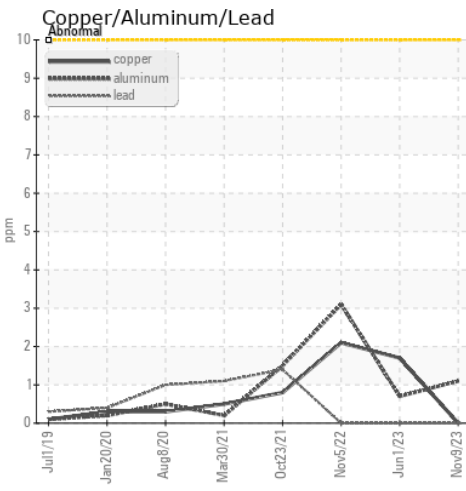
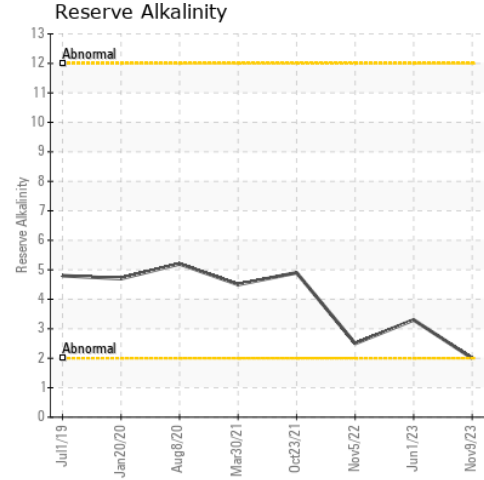
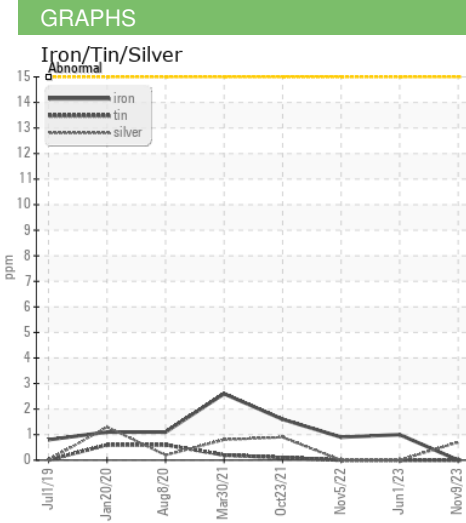
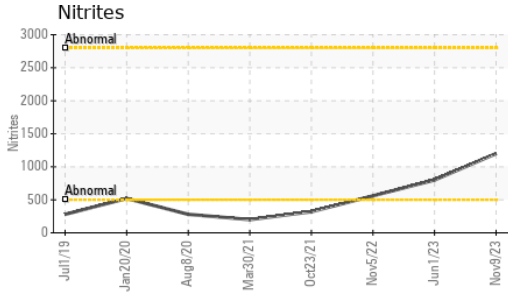
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	6	16	7
Magnesium	ppm	ASTM D5185(m)	>40	3	6	6
Hardness	mg/L CaCO3	In-house*	<75	27	63	43

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





COOLANT REPORT



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PP13931893
Lab Number : 02602434
Unique Number : 5695519
Test Package : COOL

ExxonMobil Canada East Ltd.
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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.