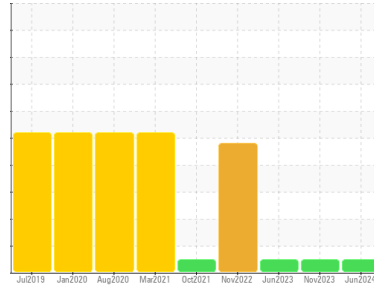


COOLANT REPORT

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	PC14000799	PP13931893	PP13868870
Sample Date	Client Info	13 Jun 2024	09 Nov 2023	01 Jun 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Glycol Type	FT-IR	UNK	---	---
Specific Gravity	ASTM D1298*	1.064	1.064	1.065
pH	Scale 0-14 ASTM D1287*	7.88	8.27	8.65
Nitrites	ppm Alcan Test Kit*	800	1200	800
Reserve Alkalinity	Scale 0-20 ASTM D1121*	2.2	2.0	3.3
Percentage Glycol	% ASTM D3321*	47.7	47.7	48.0
Freezing Point	°C ASTM D3321*	-33	-28	-31
Carboxylate		---	---	---

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	27	24	18
Phosphorus	ppm ASTM D5185(m)	6	36	7
Boron	ppm ASTM D5185(m)	48	48	59
Molybdenum	ppm ASTM D5185(m)	158	159	174

CORROSION

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

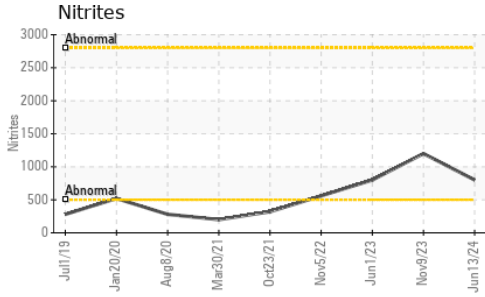
CARRIER SALTS

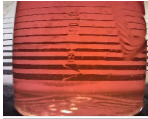





method	limit/base	current	history1	history2
Sodium	ppm ASTM D5185(m)	3783	5289	2905
Potassium	ppm ASTM D5185(m)	4149	7282	2669

SCALE POTENTIAL

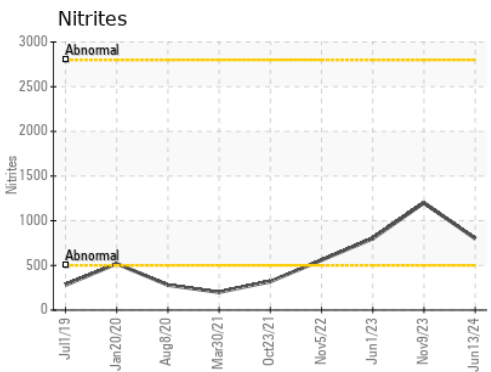
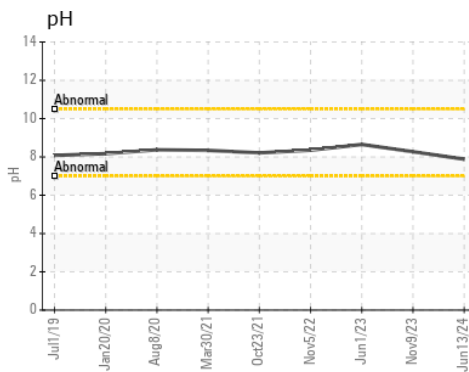
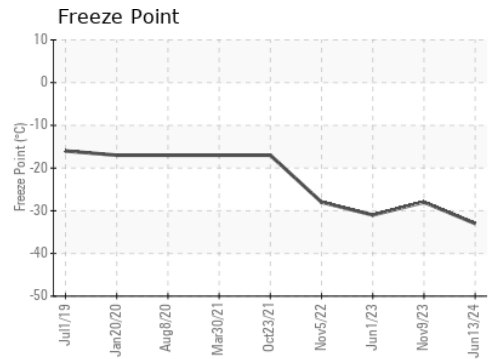
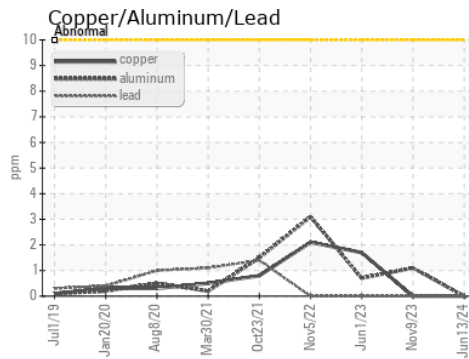
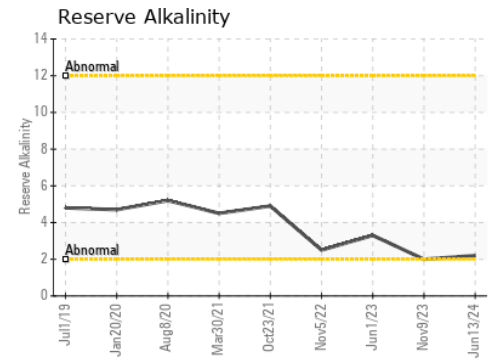
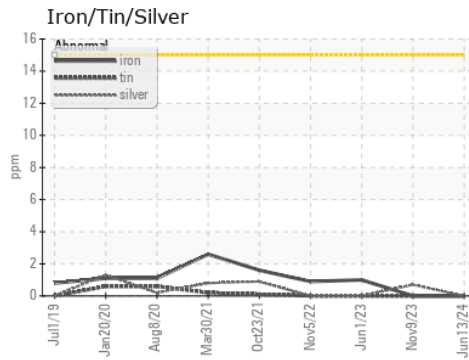
method	limit/base	current	history1	history2
Calcium	ppm ASTM D5185(m) >100	6	6	16
Magnesium	ppm ASTM D5185(m) >40	4	3	6
Hardness	mg/L CaCO3 In-house* <75	31	27	63

COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC14000799
Lab Number : 02647964
Unique Number : 5813516
Test Package : COOL (Additional Tests: GlycolType)
Received : 15 Jul 2024
Tested : 16 Jul 2024
Diagnosed : 16 Jul 2024 - Kevin Marson

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 Hebron-Materials and Repair Coordin, Suite 1000, 100 New Gow
 St. John's, NL
 CA A1C 6K3
 Contact: Liam Maher
 liam.m.maher@exxonmobil.com
 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.