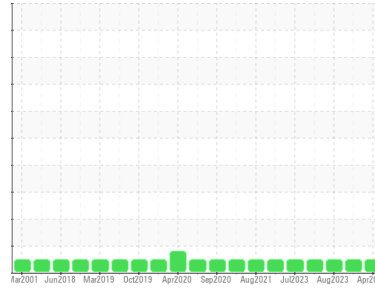


COOLANT REPORT

Sample Rating Trend

NORMAL



Area

Cranes

Machine Id

Crane - Fwd Engine Coolant (62 L Tank) (S/N Sample Tag: MA-04003)

Component

Coolant

Fluid

EXTENDED LIFE COOLANT (62 LTR)

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	PC	PC	PC
Sample Date	Client Info	01 Apr 2024	04 Oct 2023	13 Aug 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*	1.068	1.068	1.068
pH	Scale 0-14 ASTM D1287* 9.0	8.32	8.36	8.10
Nitrites	ppm Alcan Test Kit*	520	920	680
Reserve Alkalinity	Scale 0-20 ASTM D1121*	5.2	1.6	1.9
Percentage Glycol	% ASTM D3321* 50	50.5	50.3	50.1
Freezing Point	°C ASTM D3321* -40	-37	-35	-35
Carboxylate		---	---	---

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m)	4	3	3
Phosphorus	ppm ASTM D5185(m)	4	1	5
Boron	ppm ASTM D5185(m)	16	11	10
Molybdenum	ppm ASTM D5185(m)	178	171	170

CORROSION

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

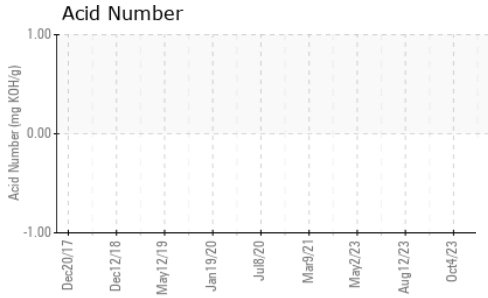
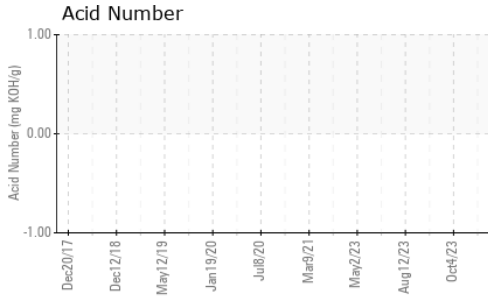
CARRIER SALTS

method	limit/base	current	history1	history2
Sodium	ppm ASTM D5185(m)	4795	5708	5900
Potassium	ppm ASTM D5185(m)	4644	7833	7570

SCALE POTENTIAL

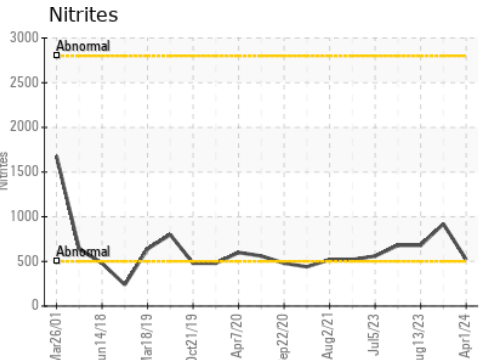
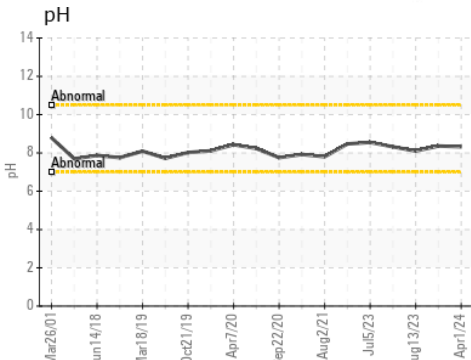
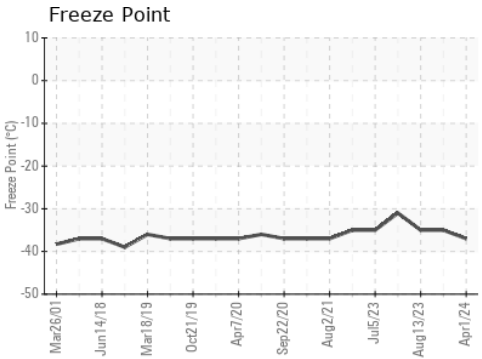
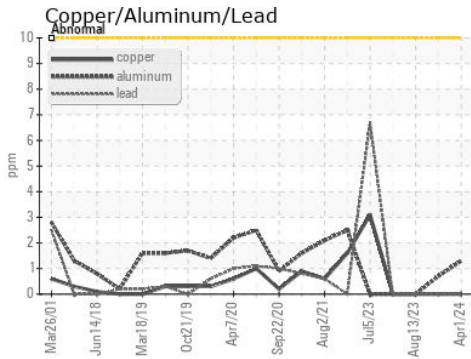
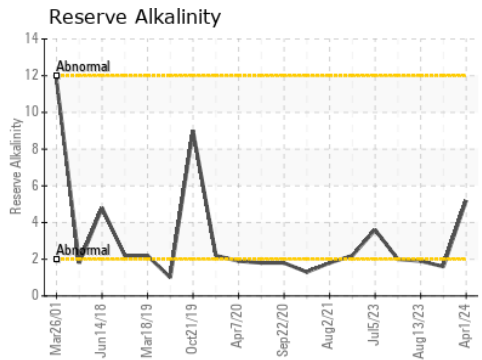
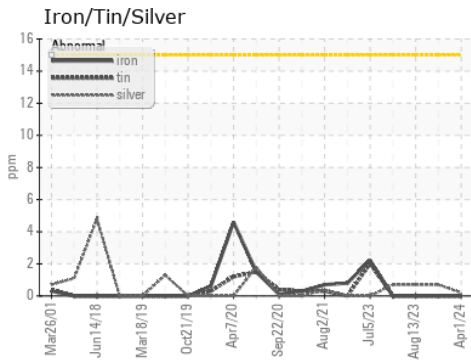
method	limit/base	current	history1	history2
Calcium	ppm ASTM D5185(m) >100	8	3	8
Magnesium	ppm ASTM D5185(m) >40	5	2	3
Hardness	mg/L CaCO3 In-house* <75	40	17	31

COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC **Received** : 02 Apr 2024
Lab Number : **02626232** **Tested** : 03 Apr 2024
Unique Number : 5759364 **Diagnosed** : 04 Apr 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType, TAN Auto)

Suncor - Terra Nova Projects
 Scotia Centre, 235 Water Street
 St. John's, NL
 CA A1C 1B6
 Contact: Josh Hynes
 joshhynes@suncor.com
 T: (709)778-3575
 F: (709)724-2835

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.