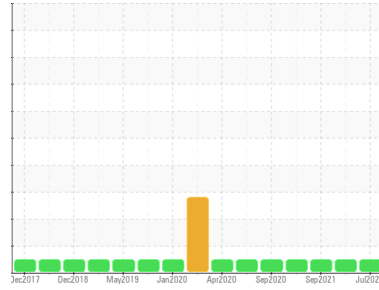


COOLANT REPORT

Sample Rating Trend

NORMAL



Area
Cranes
Machine Id
Crane - Fwd Engine Coolant (12 L Tank) (S/N Sample Tag: MA-04003)
Component
Coolant
Fluid
EXTENDED LIFE COOLANT (12 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 pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

SAMPLE INFORMATION		method	limit/base	current	history 1	history 2
Sample Number	Client Info			PC0052128	PC0053007	PC0040501
Sample Date	Client Info			05 Jul 2023	02 May 2023	13 Sep 2021
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	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history 1	history 2
Specific Gravity	ASTM D1298*			1.069	1.069	1.067
pH	Scale 0-14	ASTM D1287*	9.0	8.56	8.61	8.02
Nitrites	ppm	Alcan Test Kit*		480	560	520
Reserve Alkalinity	Scale 0-20	ASTM D1121*		3.9	2.4	1.9
Percentage Glycol	%	ASTM D3321*	50	51.3	51.4	50.0
Freezing Point	°C	ASTM D3321*	-40	-38	-38	-37
Carboxylate				---	---	---

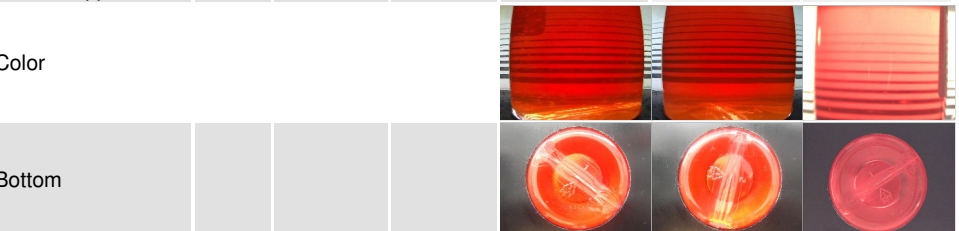
CORROSION INHIBITORS		method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)		6	12	10
Phosphorus	ppm	ASTM D5185(m)		13	34	72
Boron	ppm	ASTM D5185(m)		21	29	23
Molybdenum	ppm	ASTM D5185(m)		181	220	227

CORROSION		method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185(m)	>15	2	<1	2
Aluminum	ppm	ASTM D5185(m)	>10	0	3	3
Copper	ppm	ASTM D5185(m)	>10	3	2	2
Lead	ppm	ASTM D5185(m)	>10	7	0	2
Tin	ppm	ASTM D5185(m)	>10	2	0	1
Silver	ppm	ASTM D5185(m)	>10	0	0	<1
Zinc	ppm	ASTM D5185(m)		0	2	4

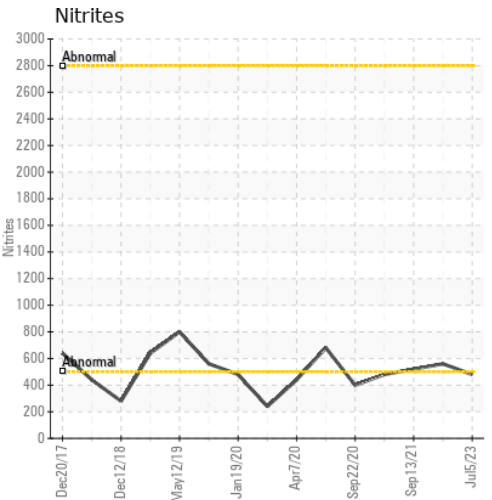
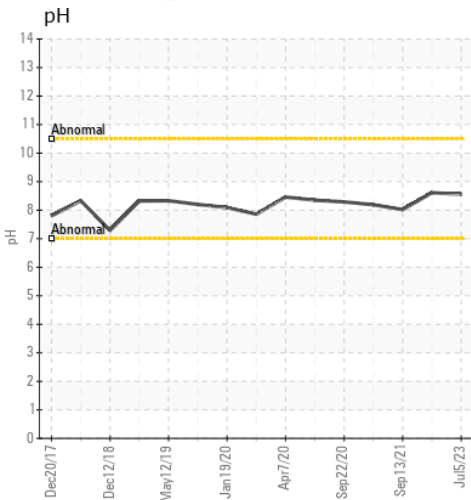
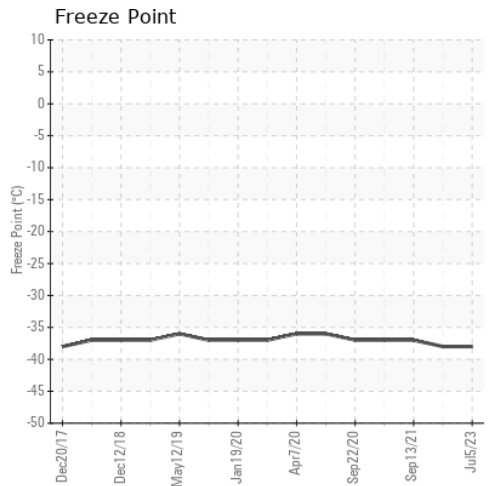
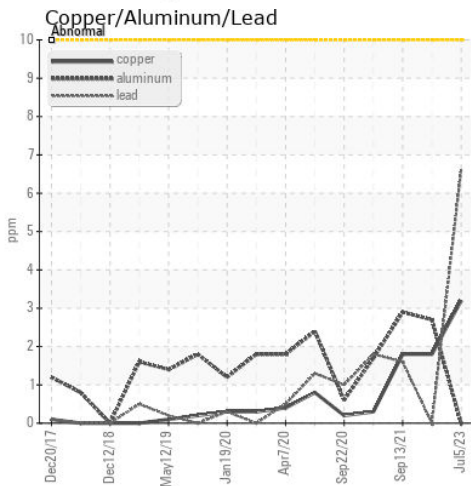
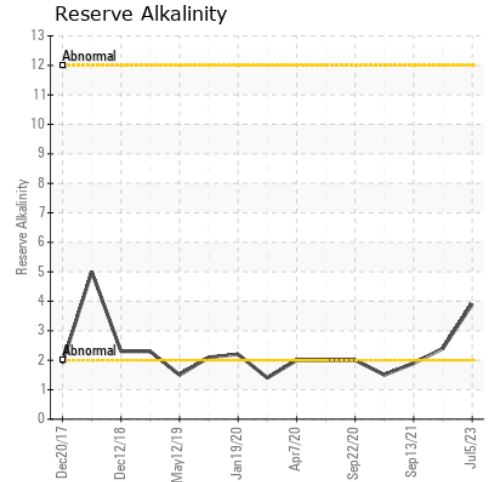
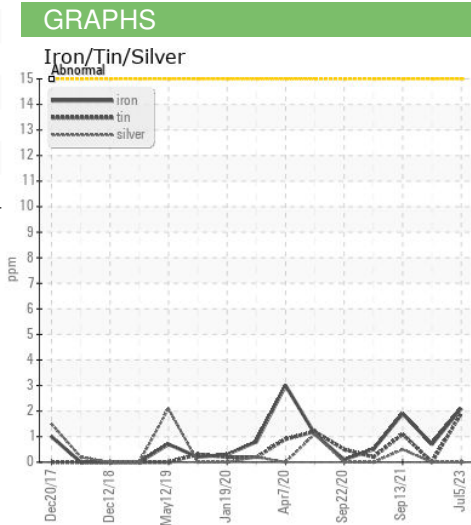
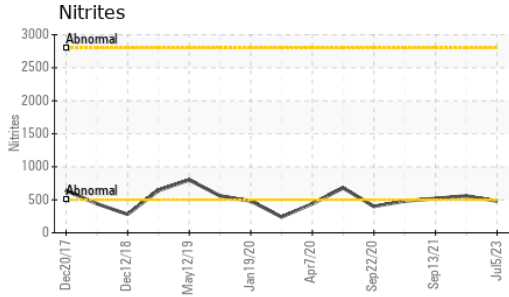
CARRIER SALTS		method	limit/base	current	history 1	history 2
Sodium	ppm	ASTM D5185(m)		2779	3179	2286
Potassium	ppm	ASTM D5185(m)		1981	2943	2314

SCALE POTENTIAL		method	limit/base	current	history 1	history 2
Calcium	ppm	ASTM D5185(m)	>100	7	12	14
Magnesium	ppm	ASTM D5185(m)	>40	4	8	7
Hardness	mg/L CaCO3	In-house*	<75	33	62	---

VISUAL		method	limit/base	current	history 1	history 2
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. : PC0052128
Lab Number : 02568357
Unique Number : 5605403
Test Package : COOL

Received : 06 Jul 2023
Diagnosed : 07 Jul 2023
Diagnostician : Kevin Marson

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.