

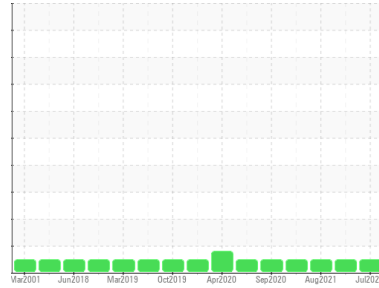
COOLANT REPORT

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	history 1	history 2
Sample Number	Client Info	PC0052124	PC0053006	PC0040503
Sample Date	Client Info	05 Jul 2023	02 May 2023	02 Aug 2021
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	history 1	history 2
Specific Gravity	ASTM D1298*	1.068	1.068	1.067
pH	Scale 0-14	8.55	8.47	7.80
Nitrites	ppm	560	520	520
Reserve Alkalinity	Scale 0-20	3.6	2.2	1.8
Percentage Glycol	%	50.2	50.4	50.0
Freezing Point	°C	-35	-35	-37
Carboxylate		---	---	---

CORROSION INHIBITORS

method	limit/base	current	history 1	history 2
Silicon	ppm	3	4	3
Phosphorus	ppm	10	12	8
Boron	ppm	15	18	15
Molybdenum	ppm	192	219	215

CORROSION

method	limit/base	current	history 1	history 2
Iron	ppm	2	<1	<1
Aluminum	ppm	0	2	2
Copper	ppm	3	2	<1
Lead	ppm	7	0	<1
Tin	ppm	2	0	<1
Silver	ppm	0	0	<1
Zinc	ppm	0	2	2

CARRIER SALTS

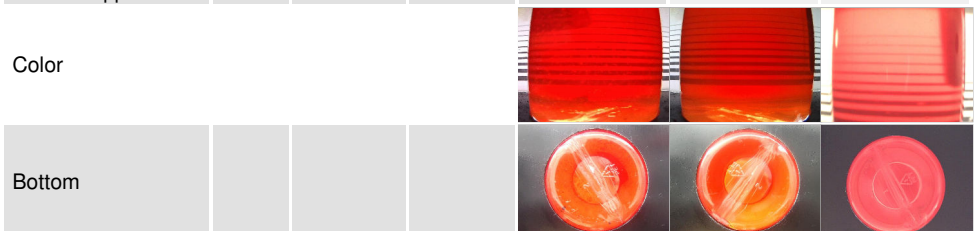
method	limit/base	current	history 1	history 2
Sodium	ppm	2846	3151	2260
Potassium	ppm	1990	2952	2307

SCALE POTENTIAL

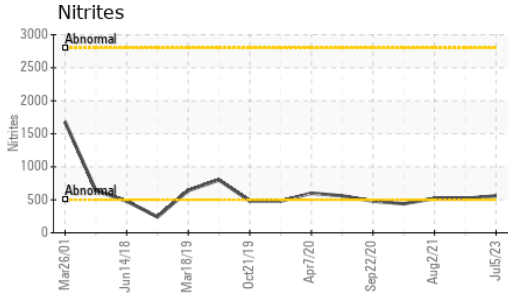
method	limit/base	current	history 1	history 2
Calcium	ppm	8	17	13
Magnesium	ppm	4	5	7
Hardness	mg/L CaCO3	38	64	---

VISUAL

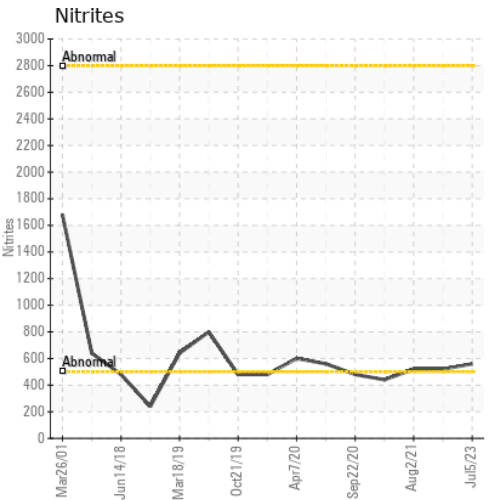
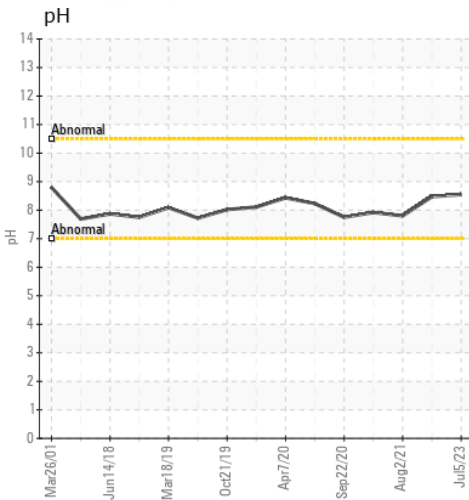
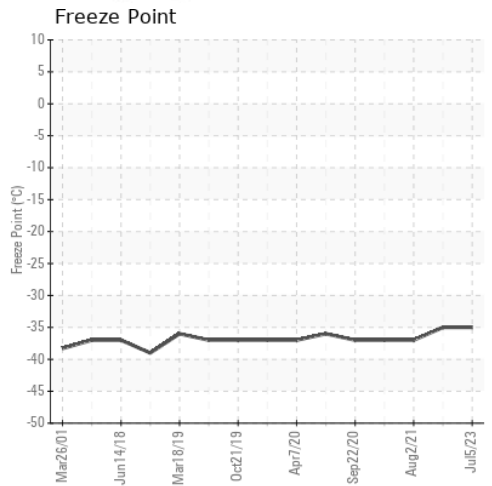
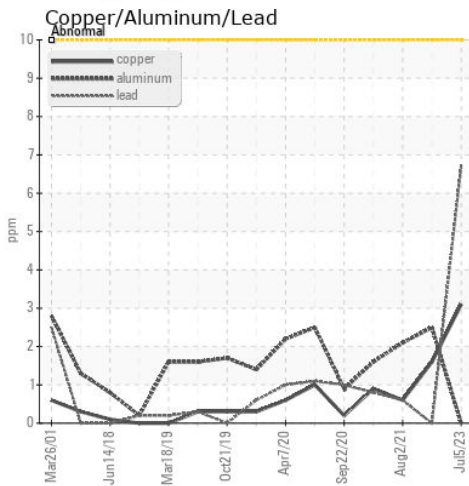
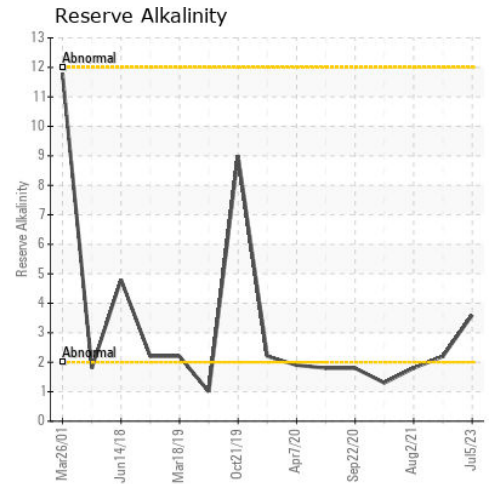
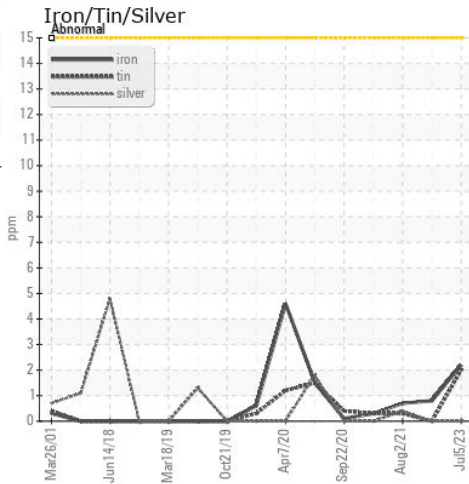
method	limit/base	current	history 1	history 2
Coolant Color	Visual*	Orange/R Red	Orange	Orange
Coolant Appearance	Visual*	Clear	Clear	Clear



COOLANT REPORT



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0052124 **Received** : 06 Jul 2023
Lab Number : 02568356 **Diagnosed** : 07 Jul 2023
Unique Number : 5605402 **Diagnostician** : Kevin Marson
Test Package : COOL

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.