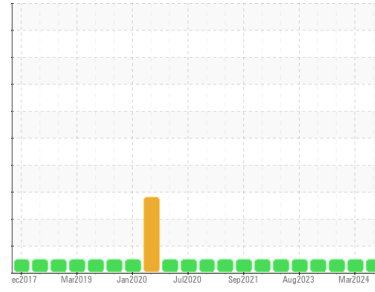


COOLANT REPORT

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 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	PC0081066
Sample Date	Client Info			16 May 2024	20 Mar 2024	24 Jan 2024
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	history1	history2
Glycol Type	FT-IR			UNK	UNK	---
Specific Gravity	ASTM D1298*			1.069	1.068	1.069
pH	Scale 0-14	ASTM D1287*	9.0	8.35	8.30	8.71
Nitrites	ppm	Alcan Test Kit*		560	480	640
Reserve Alkalinity	Scale 0-20	ASTM D1121*		5.6	5.4	2.8
Percentage Glycol	%	ASTM D3321*	50	51.5	50.5	51.6
Freezing Point	°C	ASTM D3321*	-40	-39	-37	-39
Carboxylate				---	---	---

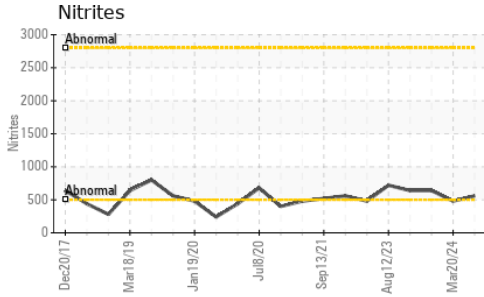
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		8	3	8
Phosphorus	ppm	ASTM D5185(m)		103	6	18
Boron	ppm	ASTM D5185(m)		27	15	19
Molybdenum	ppm	ASTM D5185(m)		183	179	181

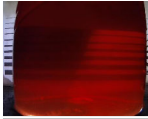
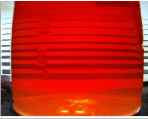
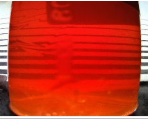



CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	0	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<1	1	2
Copper	ppm	ASTM D5185(m)	>10	0	0	0
Lead	ppm	ASTM D5185(m)	>10	0	0	0
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Silver	ppm	ASTM D5185(m)	>10	<1	<1	<1
Zinc	ppm	ASTM D5185(m)		1	3	1

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		5333	4781	6308
Potassium	ppm	ASTM D5185(m)		4834	4699	8461

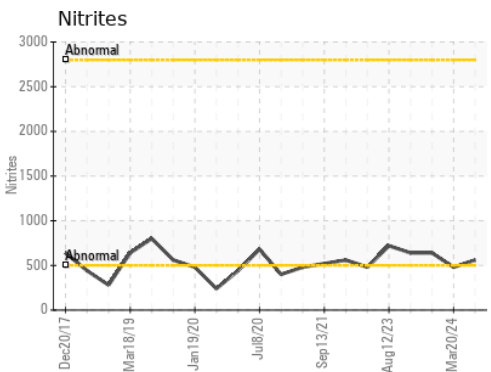
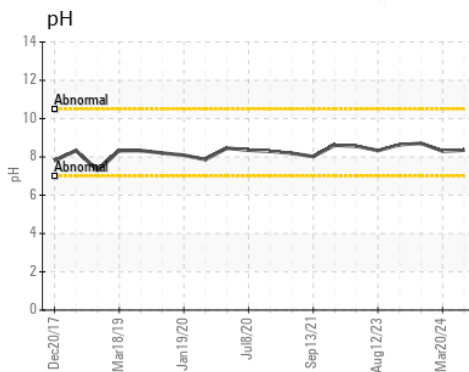
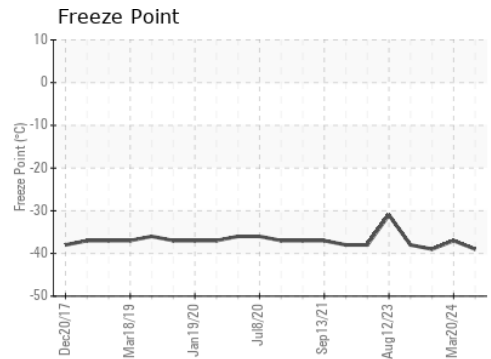
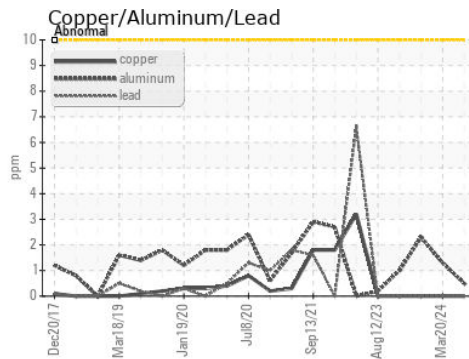
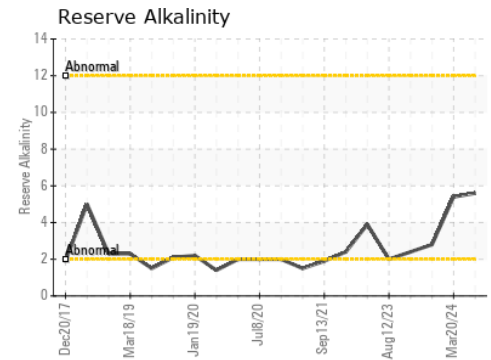
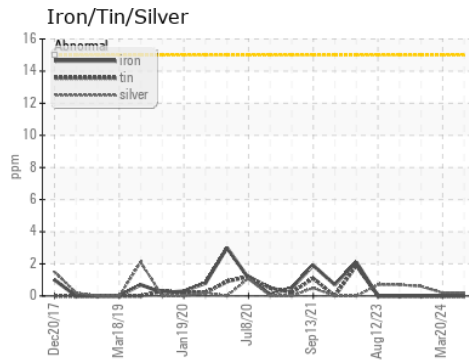
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	5	10	9
Magnesium	ppm	ASTM D5185(m)	>40	5	5	4
Hardness	mg/L CaCO3	In-house*	<75	30	46	37

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. : PC
Lab Number : 02638970
Unique Number : 5788132
Test Package : COOL (Additional Tests: GlycolType)
Received : 30 May 2024
Tested : 30 May 2024
Diagnosed : 31 May 2024 - 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.