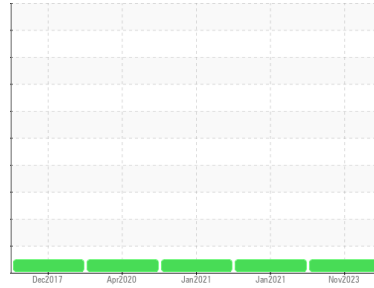


COOLANT REPORT

Sample Rating Trend

NORMAL



Area
Fwd Machinery Space [450222470]
Machine Id
Emergency Generator (S/N Sample Tag CD-84001-S1)
Component
Coolant
Fluid
EXTENDED LIFE COOLANT (145 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			PC0076720	PC0024445	PC0024442
Sample Date	Client Info			09 Nov 2023	18 Jan 2021	18 Jan 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	history1	history2
Specific Gravity	ASTM D1298*			1.075	1.067	1.067
pH	Scale 0-14	ASTM D1287*	9.0	8.48	8.64	8.74
Nitrites	ppm	Alcan Test Kit*		1120	800	880
Reserve Alkalinity	Scale 0-20	ASTM D1121*		6.8	2.5	2.5
Percentage Glycol	%	ASTM D3321*	50	55.9	50.0	50.0
Freezing Point	°C	ASTM D3321*	-40	-47	-38	-38
Carboxylate				---	---	---

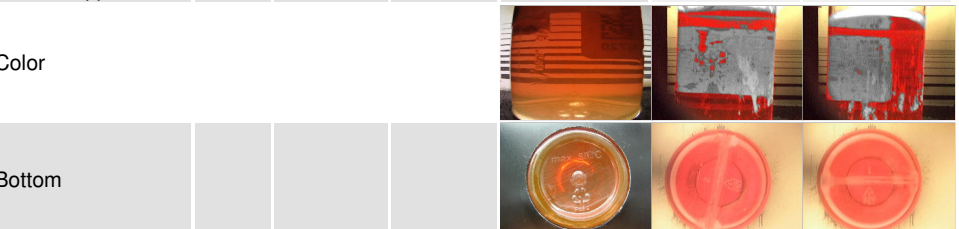
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		22	6	<1
Phosphorus	ppm	ASTM D5185(m)		660	28	0
Boron	ppm	ASTM D5185(m)		354	13	<1
Molybdenum	ppm	ASTM D5185(m)		99	131	68

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

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		3315	2799	3024
Potassium	ppm	ASTM D5185(m)		10407	3131	3330

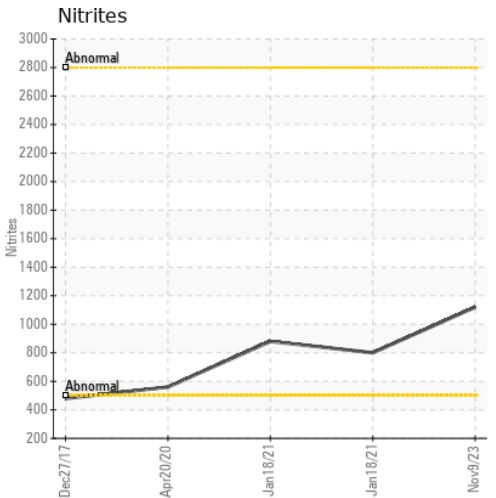
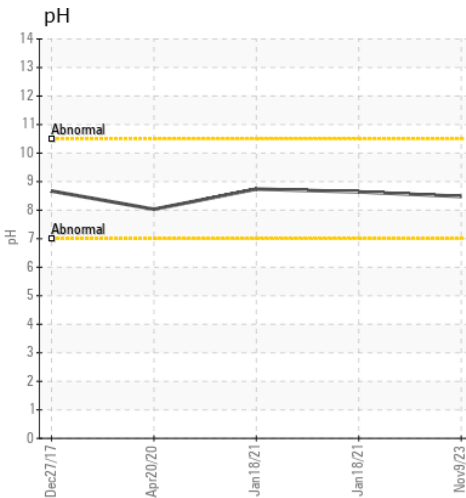
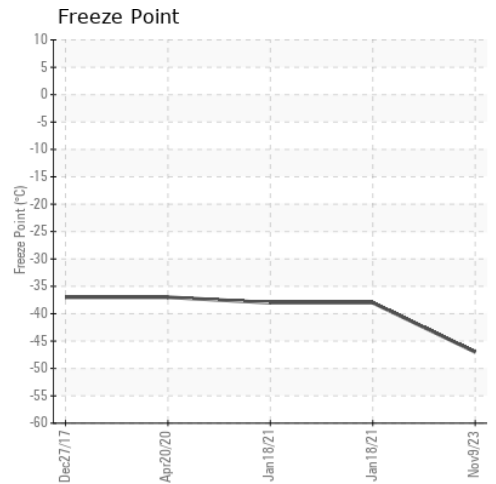
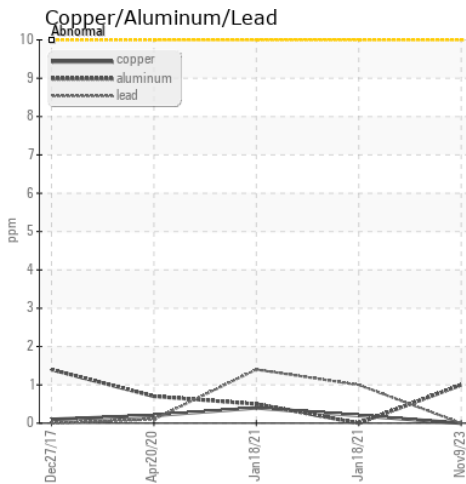
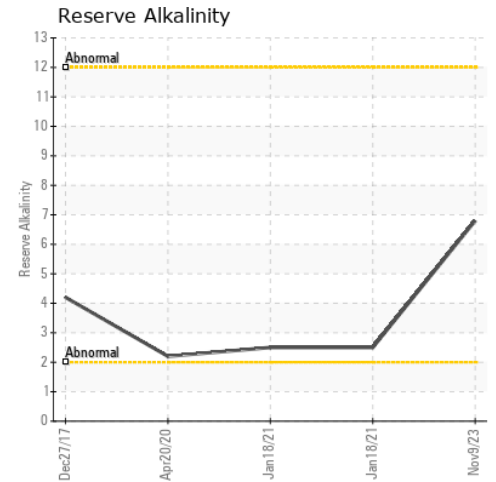
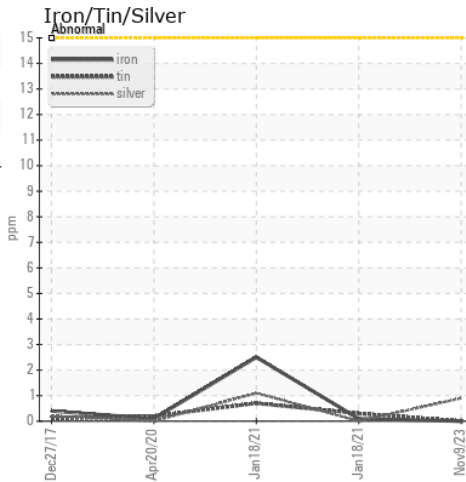
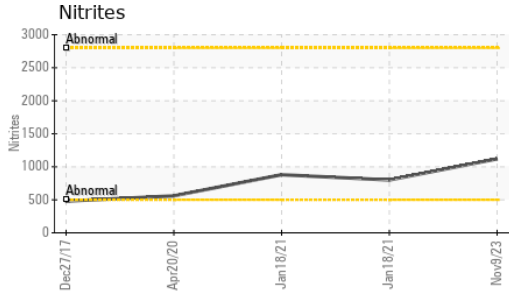
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	2	5	0
Magnesium	ppm	ASTM D5185(m)	>40	<1	2	<1
Hardness	mg/L CaCO3	In-house*	<75	6	---	---

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



COOLANT REPORT

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0076720
Lab Number : 02599146
Unique Number : 5684226
Test Package : COOL

Received : 27 Nov 2023
Diagnosed : 29 Nov 2023
Diagnostician : Kevin Marson

Suncor - Terra Nova Projects
 Scotia Centre, 235 Water Street
 St. John's, NL
 CA A1C 1B6
 Contact: Josh Hynes
 joshynes@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.