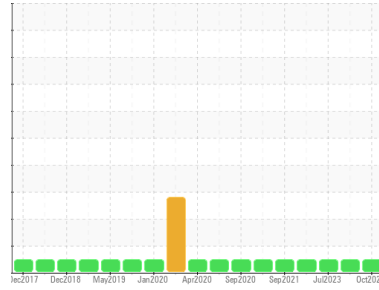


# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**Cranes [450207985]**  
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			<b>PC</b>	PC0052596	PC0052128
Sample Date	Client Info			<b>04 Oct 2023</b>	12 Aug 2023	05 Jul 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*			<b>1.069</b>	1.065	1.069
pH	Scale 0-14	ASTM D1287*	9.0	<b>8.63</b>	8.33	8.56
Nitrites	ppm	Alcan Test Kit*		<b>640</b>	720	480
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<b>2.4</b>	2.0	3.9
Percentage Glycol	%	ASTM D3321*	50	<b>51.4</b>	48.6	51.3
Freezing Point	°C	ASTM D3321*	-40	<b>-38</b>	-31	-38
Carboxylate				---	---	---

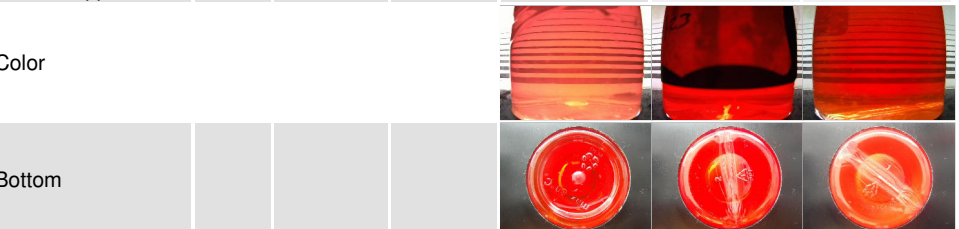
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		<b>8</b>	4	6
Phosphorus	ppm	ASTM D5185(m)		<b>14</b>	31	13
Boron	ppm	ASTM D5185(m)		<b>24</b>	10	21
Molybdenum	ppm	ASTM D5185(m)		<b>179</b>	185	181

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	<b>0</b>	0	2
Aluminum	ppm	ASTM D5185(m)	>10	<b>1</b>	<1	0
Copper	ppm	ASTM D5185(m)	>10	<b>0</b>	0	3
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	7
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	2
Silver	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	0
Zinc	ppm	ASTM D5185(m)		<b>0</b>	0	0

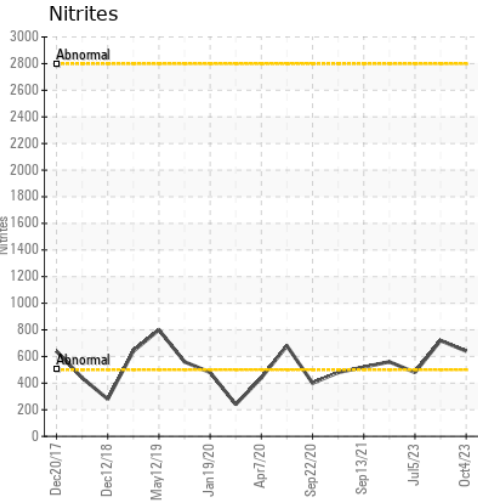
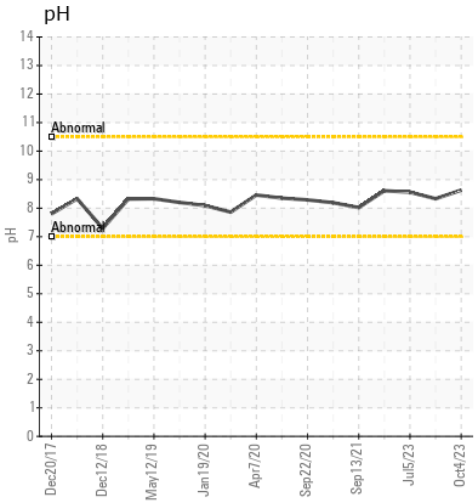
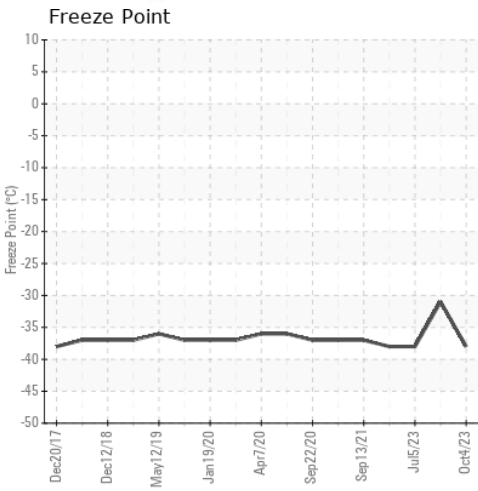
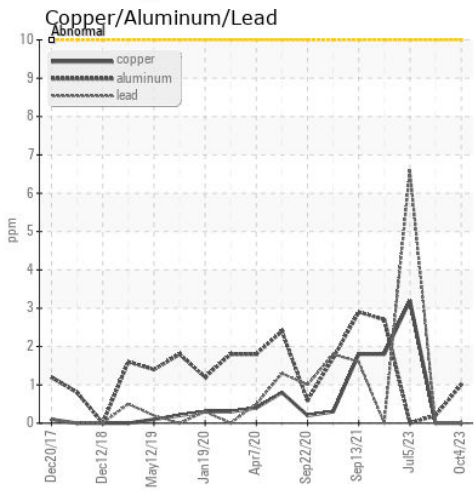
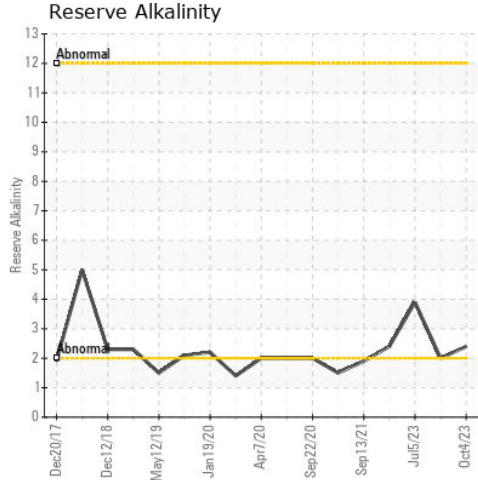
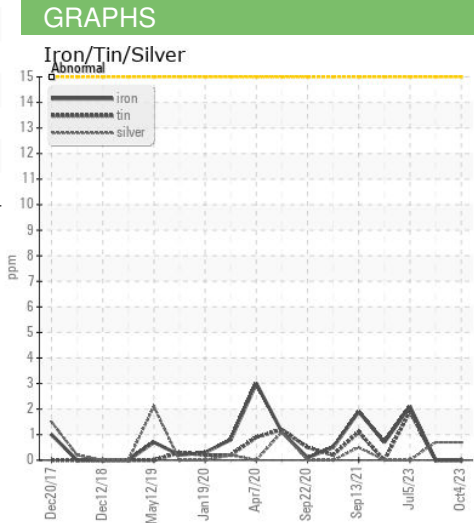
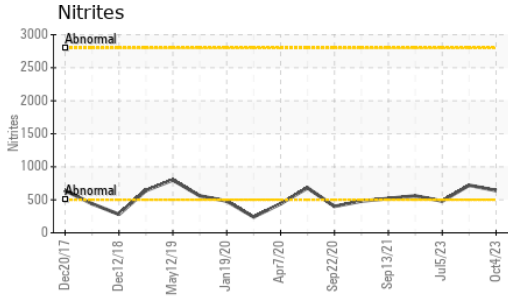
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		<b>5707</b>	5816	2779
Potassium	ppm	ASTM D5185(m)		<b>7629</b>	7850	1981

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	<b>5</b>	7	7
Magnesium	ppm	ASTM D5185(m)	>40	<b>4</b>	3	4
Hardness	mg/L CaCO3	In-house*	<75	<b>29</b>	29	33

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



# COOLANT REPORT



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC  
**Lab Number** : 02590142  
**Unique Number** : 5659208  
**Test Package** : COOL

**Received** : 18 Oct 2023  
**Diagnosed** : 19 Oct 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.