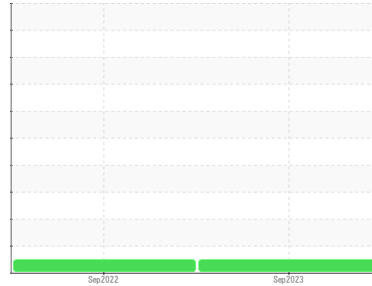




# COOLANT REPORT

Area  
**OKLAHOMA/102**  
 Machine Id  
**38.86 [OKLAHOMA^102]**  
 Component  
**Coolant**  
 Fluid  
**CATERPILLAR ELC (11 GAL)**

## Sample Rating Trend



**NORMAL**



### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service.

#### 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

Carboxylate test failed. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0769739</b>	WC0741084	---
Sample Date	Client Info		<b>20 Sep 2023</b>	14 Sep 2022	---
Machine Age	hrs	Client Info	<b>4830</b>	3170	---
Oil Age	hrs	Client Info	<b>2000</b>	1000	---
Oil Changed		Client Info	<b>N/A</b>	Not Changd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

### PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>1.067</b>	1.070	---
pH	Scale 0-14	ASTM D1287	<b>7.38</b>	7.66	---
Nitrites	ppm	AP-053:2009	<b>488</b>	300	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>49.7</b>	52.1	---
Freezing Point	°F	ASTM D3321	<b>-33</b>	-40	---
Total Dissolved Solids			<b>355.5</b>	399.5	---
Carboxylate			<b>fail</b>	pass	---

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	<b>17</b>	37
Phosphorus	ppm	ASTM D6130	0	<b>0</b>	35
Boron	ppm	ASTM D6130	0	<b>3</b>	30
Molybdenum	ppm	ASTM D6130	950	<b>995</b>	1055

### CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	<b>0</b>	0
Aluminum	ppm	ASTM D6130	>10	<b>0</b>	<1
Copper	ppm	ASTM D6130	>10	<b>&lt;1</b>	2
Lead	ppm	ASTM D6130	>10	<b>0</b>	0
Tin	ppm	ASTM D6130	>10	<b>0</b>	0
Zinc	ppm	ASTM D6130		<b>0</b>	0

### CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		<b>20</b>	35

### CARRIER SALTS

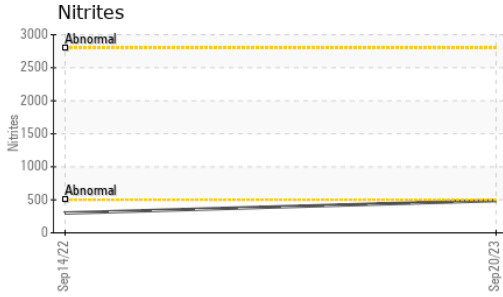
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		<b>5449</b>	3187
Potassium	ppm	ASTM D6130		<b>0</b>	160


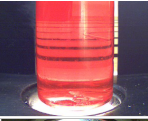


### SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		<b>2</b>	3
Magnesium	ppm	ASTM D6130		<b>2</b>	4

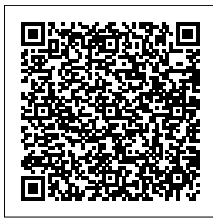
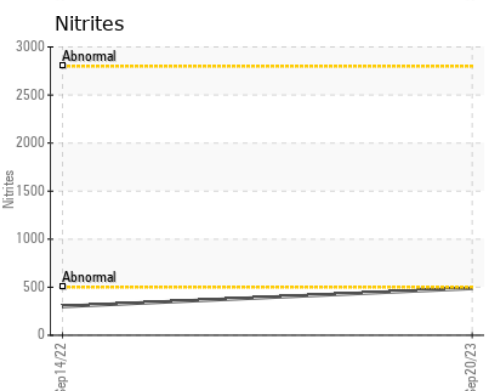
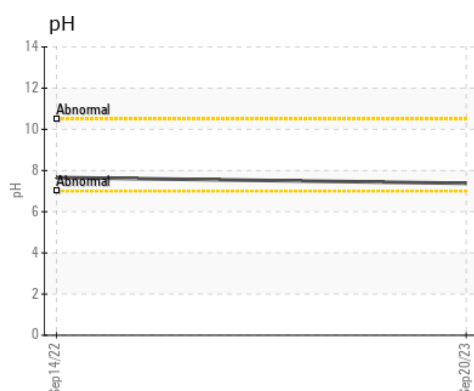
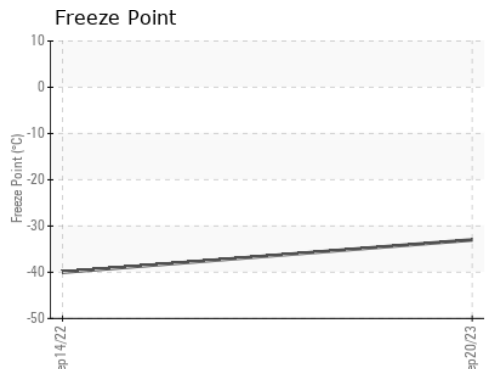
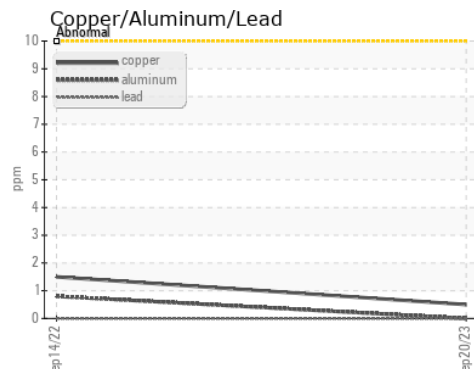
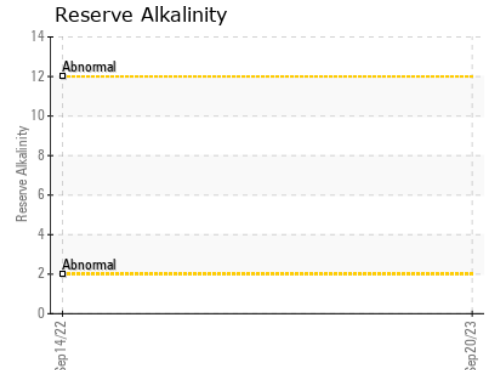
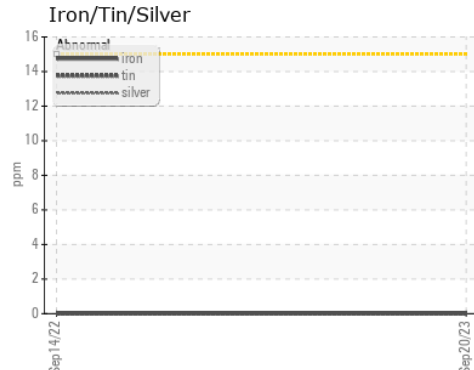


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		<b>Red</b>	Red	---
Coolant Appearance	*Visual	Clear	<b>normal</b>	normal	---
Color					no image
Bottom					no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0769739      **Received** : 27 Sep 2023  
**Lab Number** : 05962622      **Diagnosed** : 03 Oct 2023  
**Unique Number** : 10669173      **Diagnostician** : Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: SHAWN SOUTH  
 shawn.south@sherwood.net

To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: x:  
 F: x: