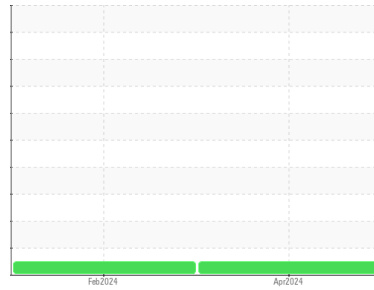




# COOLANT REPORT

Area  
**COLORADO/443**  
 Machine Id  
**53.175L [COLORADO^443]**  
 Component  
**Coolant**  
 Fluid  
**CATERPILLAR ELC (--- 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. Glycol and nitrite levels are 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>WC0883905</b>	WC0883985	---
Sample Date	Client Info		<b>03 Apr 2024</b>	09 Feb 2024	---
Machine Age	hrs	Client Info	<b>1283</b>	1105	---
Oil Age	hrs	Client Info	<b>1283</b>	1105	---
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

### PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		<b>1.079</b>	1.067	---
pH	Scale 0-14	ASTM D1287	<b>8.08</b>	8.10	---
Nitrites	ppm	AP-053:2009	<b>676</b>	372	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	<b>59.9</b>	49.8	---
Freezing Point	°F	ASTM D3321	<b>-56</b>	-33	---
Total Dissolved Solids			<b>302.0</b>	312.0	---
Carboxylate			<b>fail</b>	fail	---

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	<b>5</b>	44
Phosphorus	ppm	ASTM D6130	0	<b>0</b>	181
Boron	ppm	ASTM D6130	0	<b>0</b>	280
Molybdenum	ppm	ASTM D6130	950	<b>365</b>	2

### CORROSION

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

### CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		<b>42</b>	8

### CARRIER SALTS

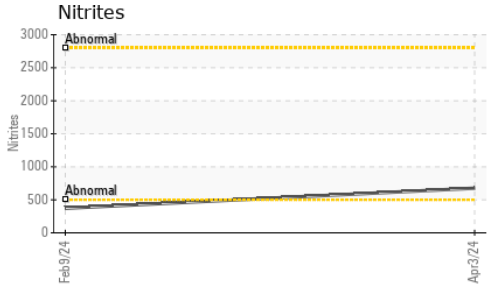
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		<b>3317</b>	1835
Potassium	ppm	ASTM D6130		<b>1081</b>	825

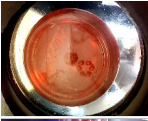



### SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		<b>0</b>	<1
Magnesium	ppm	ASTM D6130		<b>&lt;1</b>	0

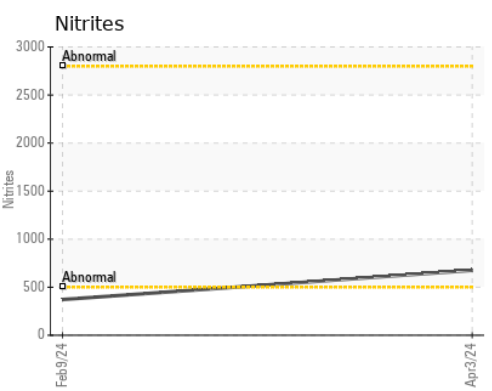
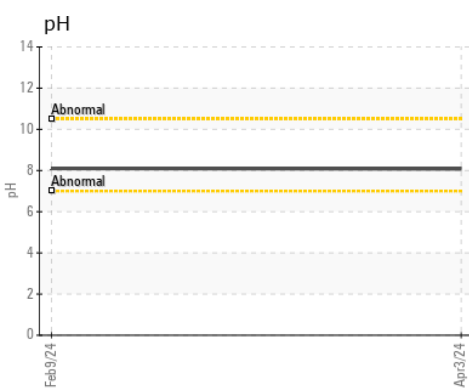
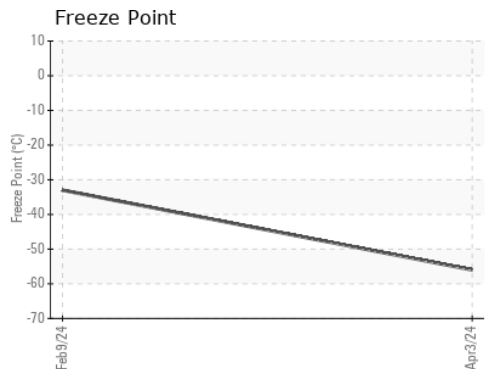
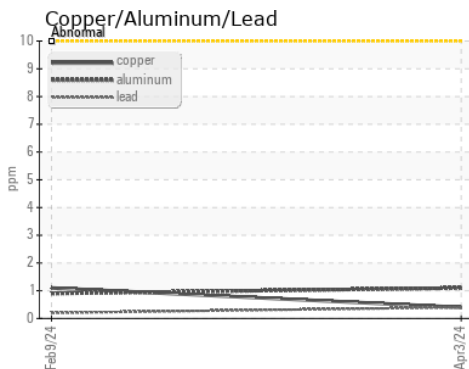
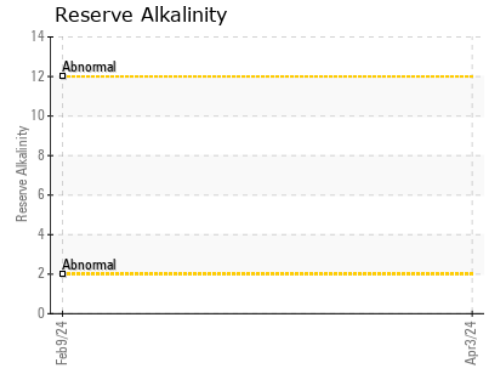
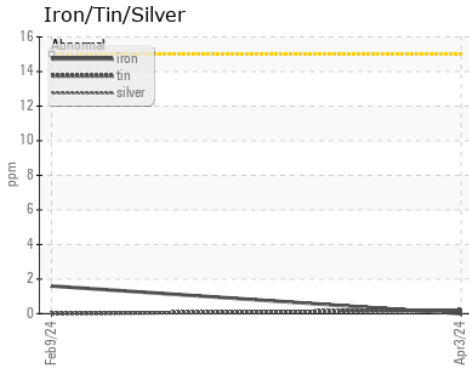


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		<b>Orange</b>	Orange	---
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.** : WC0883905      **Received** : 08 Apr 2024  
**Lab Number** : **06142675**      **Tested** : 11 Apr 2024  
**Unique Number** : 10967483      **Diagnosed** : 11 Apr 2024 - Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: BILL ORCUTT  
 william.orcutt@wildcat.net  
 T: (719)499-6303  
 F: x:

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)