



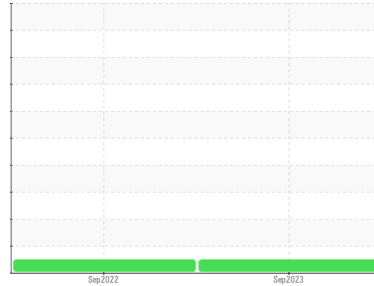
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102**  
 Machine Id  
**35.15L [OKLAHOMA^102]**  
 Component  
**Coolant**  
 Fluid  
**CATERPILLAR ELC (--- GAL)**



## 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>WC0848919</b>	WC0741146	---
Sample Date	Client Info		<b>14 Sep 2023</b>	21 Sep 2022	---
Machine Age	hrs	Client Info	<b>7980</b>	7272	---
Oil Age	hrs	Client Info	<b>1000</b>	7272	---
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>1.065</b>	1.062	---
pH	Scale 0-14 ASTM D1287		<b>8.11</b>	8.08	---
Nitrites	ppm AP-053:2009		<b>560</b>	864	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>48.0</b>	45.7	---
Freezing Point	°F ASTM D3321		<b>-31</b>	-24	---
Total Dissolved Solids			<b>311.0</b>	311.0	---
Carboxylate			<b>fail</b>	pass	---

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<b>21</b>	32	---
Phosphorus	ppm ASTM D6130	0	<b>&lt;1</b>	39	---
Boron	ppm ASTM D6130	0	<b>22</b>	61	---
Molybdenum	ppm ASTM D6130	950	<b>963</b>	989	---

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>17</b>	4	---

## CARRIER SALTS

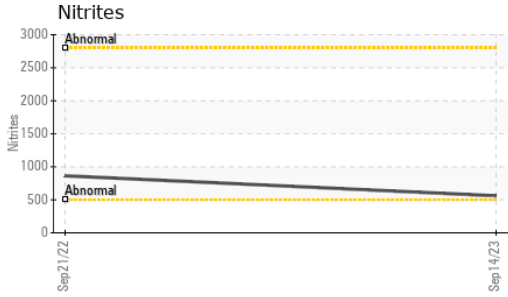
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>5316</b>	4828	---
Potassium	ppm ASTM D6130		<b>93</b>	279	---


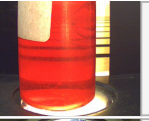
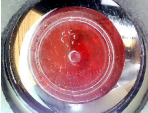

## SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		<b>3</b>	3	---
Magnesium	ppm ASTM D6130		<b>&lt;1</b>	2	---

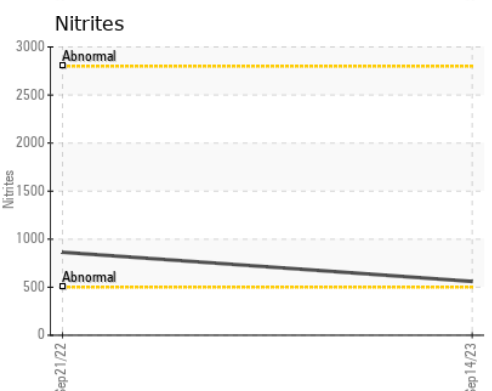
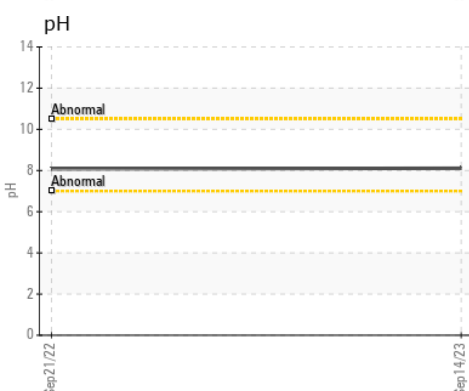
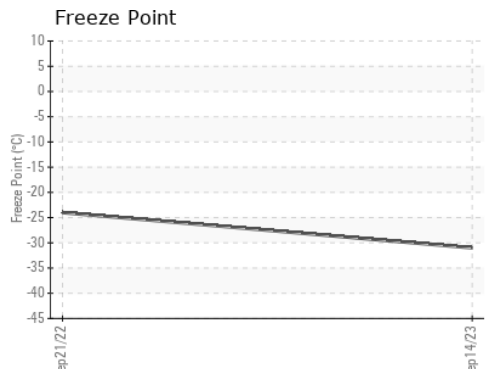
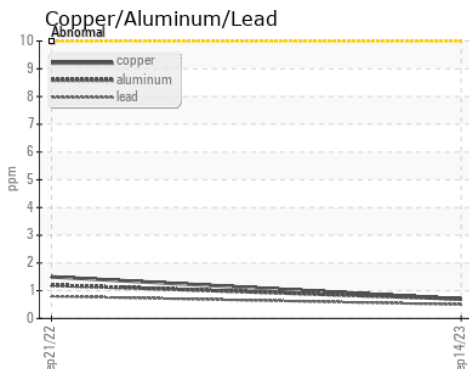
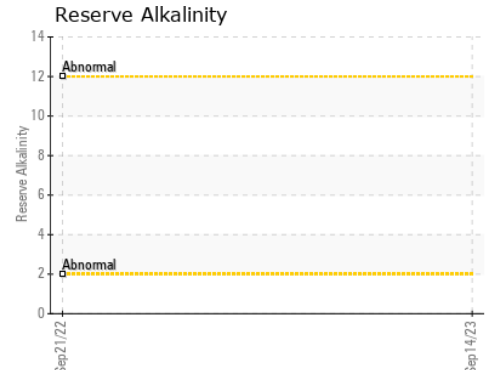
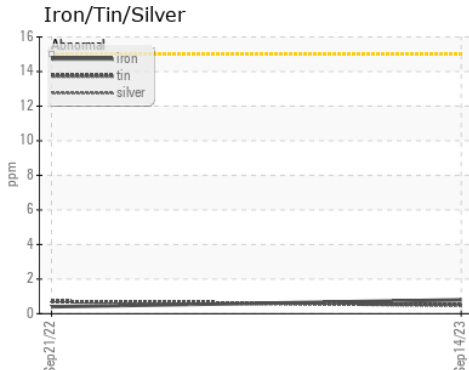


# COOLANT REPORT



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.** : WC0848919      **Received** : 22 Sep 2023  
**Lab Number** : 05958911      **Diagnosed** : 26 Sep 2023  
**Unique Number** : 10660124      **Diagnostician** : Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: DOUG KING  
 doug.king@sherwood.net  
 T: (316)617-3161  
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Certificate L2367  
 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)