



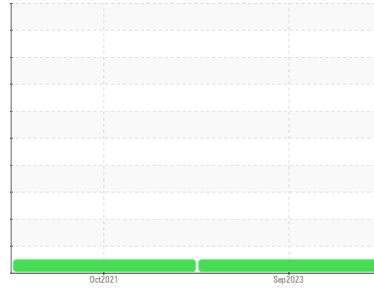
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102/EG - OTHER SERVICE**  
 Machine Id  
**88.71L [OKLAHOMA^102^EG - OTHER SERVICE]**  
 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. 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>WC0834144</b>	WC0622938	---
Sample Date	Client Info		<b>20 Sep 2023</b>	08 Oct 2021	---
Machine Age	hrs	Client Info	<b>4285</b>	2479	---
Oil Age	hrs	Client Info	<b>4285</b>	0	---
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>1.070</b>	---	---
pH	Scale 0-14	ASTM D1287	<b>8.10</b>	7.54	---
Nitrites	ppm	AP-053:2009	<b>712</b>	300	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>52.7</b>	46	---
Freezing Point	°F	ASTM D3321	<b>-40</b>	-28	---
Total Dissolved Solids			<b>374.0</b>	343.0	---
Carboxylate			<b>fail</b>	pass	---

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	<b>13</b>	27
Phosphorus	ppm	ASTM D6130	0	<b>&lt;1</b>	0
Boron	ppm	ASTM D6130	0	<b>13</b>	0
Molybdenum	ppm	ASTM D6130	950	<b>37</b>	700

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		<b>16</b>	22

## CARRIER SALTS

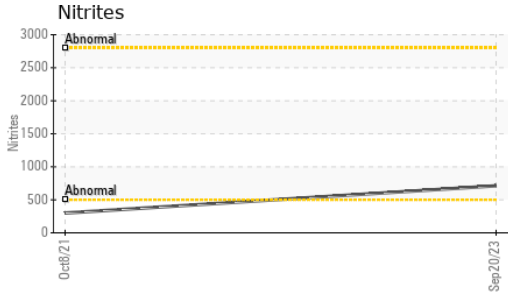
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		<b>3591</b>	3524
Potassium	ppm	ASTM D6130		<b>115</b>	193





## SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		<b>21</b>	6
Magnesium	ppm	ASTM D6130		<b>2</b>	3

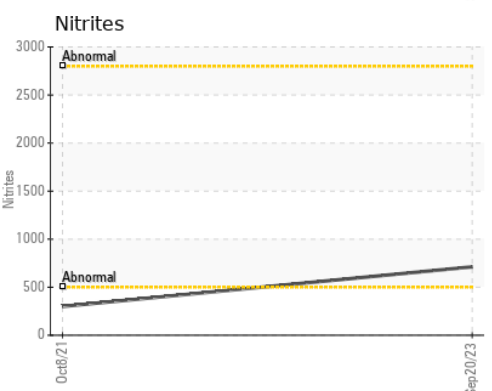
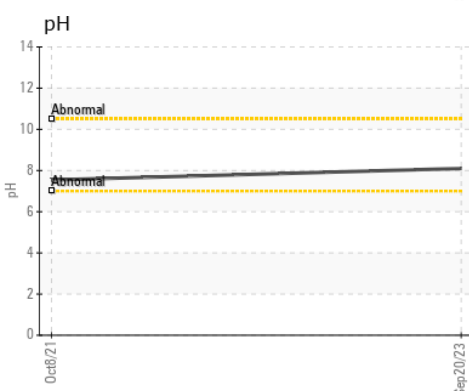
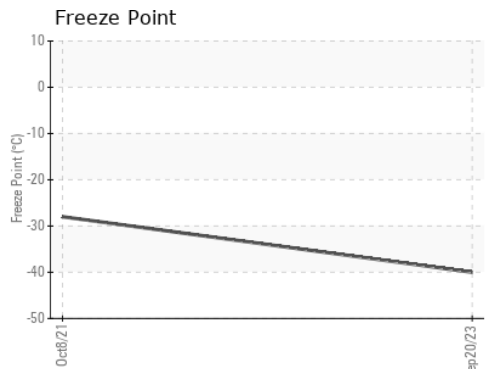
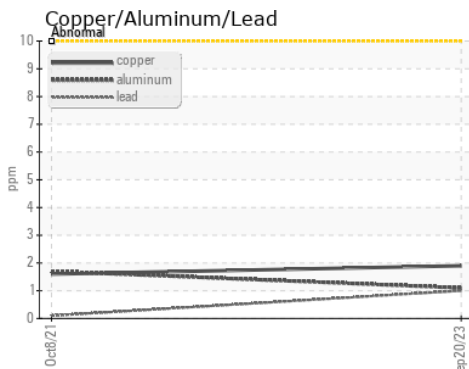
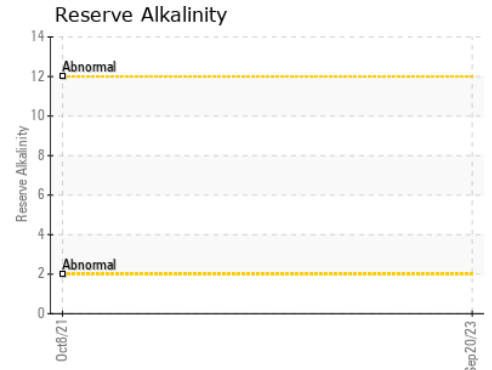
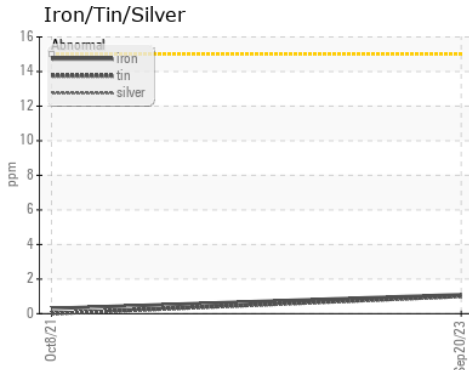


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0834144 **Received** : 28 Sep 2023  
**Lab Number** : **05963891** **Diagnosed** : 04 Oct 2023  
**Unique Number** : 10670442 **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  
 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)