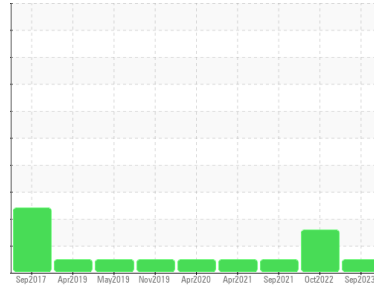




# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102/EG - OTHER SERVICE**  
 Machine Id  
**54.09L [OKLAHOMA^102^EG - OTHER SERVICE]**

Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (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>WC0848892</b>	WC0746330	WC0622738
Sample Date	Client Info		<b>11 Sep 2023</b>	27 Oct 2022	21 Sep 2021
Machine Age	hrs	Client Info	<b>1772</b>	1575	1254
Oil Age	hrs	Client Info	<b>500</b>	1575	10997
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	N/A
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>1.068</b>	1.068	---
pH	Scale 0-14 ASTM D1287		<b>8.33</b>	8.92	8.56
Nitrites	ppm AP-053:2009		<b>976</b>	936	560
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>50.6</b>	50.1	50
Freezing Point	°F ASTM D3321		<b>-35</b>	-35	-38
Total Dissolved Solids			<b>278.5</b>	338.0	382.0
Carboxylate			<b>fail</b>	pass	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<b>19</b>	14	17
Phosphorus	ppm ASTM D6130	0	<b>0</b>	0	4
Boron	ppm ASTM D6130	0	<b>10</b>	6	1
Molybdenum	ppm ASTM D6130	950	<b>959</b>	660	955

## CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	<b>1</b>	<1	0
Aluminum	ppm ASTM D6130	>10	<b>&lt;1</b>	0	0
Copper	ppm ASTM D6130	>10	<b>&lt;1</b>	1	<1
Lead	ppm ASTM D6130	>10	<b>2</b>	▲ 13	<1
Tin	ppm ASTM D6130	>10	<b>1</b>	▲ 11	2
Zinc	ppm ASTM D6130		<b>&lt;1</b>	1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>15</b>	8	12

## CARRIER SALTS

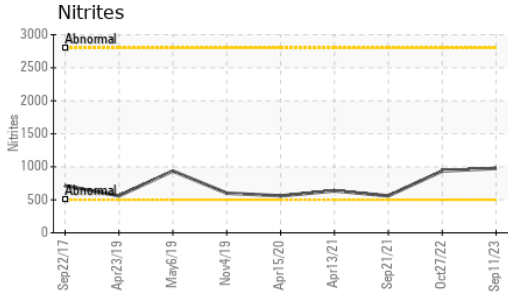
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>5669</b>	4923	3354
Potassium	ppm ASTM D6130		<b>101</b>	914	146

## SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		<b>4</b>	7	3
Magnesium	ppm ASTM D6130		<b>1</b>	1	<1

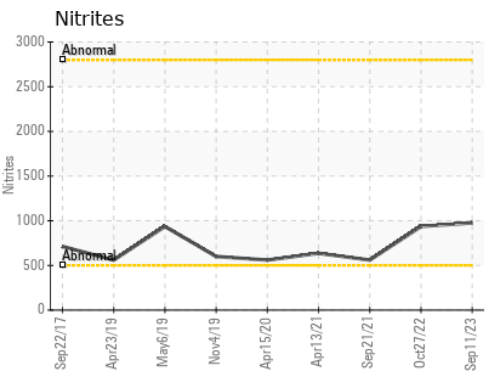
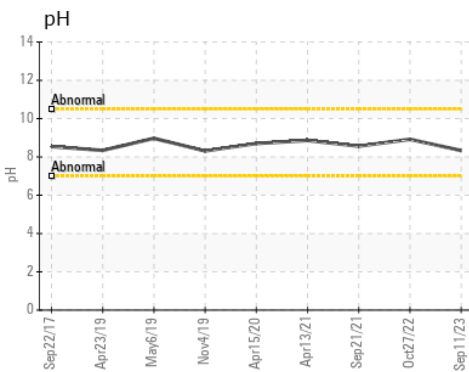
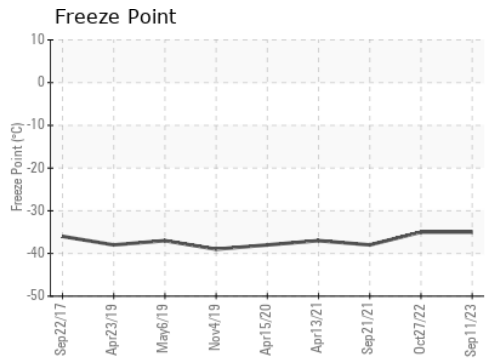
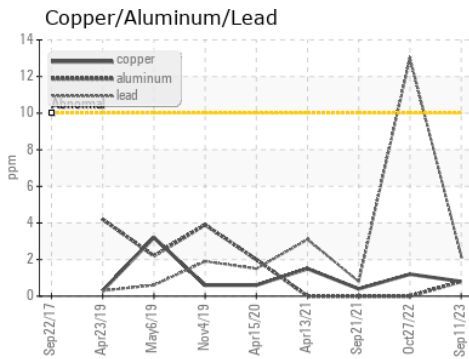
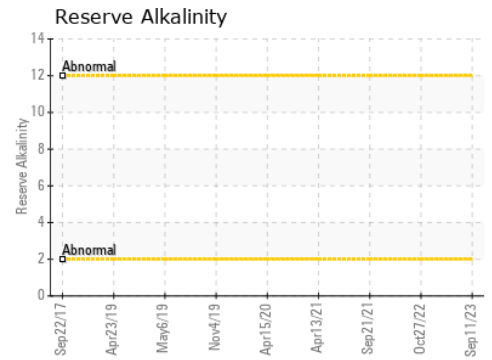
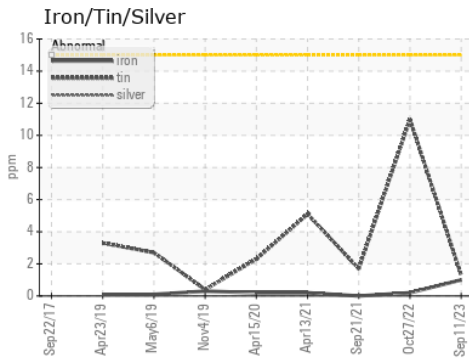


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Red	Red	Orange
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0848892 **Received** : 22 Sep 2023  
**Lab Number** : 05958903 **Diagnosed** : 26 Sep 2023  
**Unique Number** : 10660116 **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:

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)