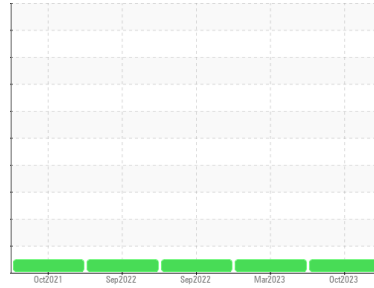




# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/105/EG - TRUCK-ON-HWY-HEAVY DUTY**  
 Machine Id  
**08.109 [OKLAHOMA^105^EG - TRUCK-ON-HWY-HEAVY DUTY]**  
 Component  
**Coolant**  
 Fluid  
**CATERPILLAR ELC (--- GAL)**

## DIAGNOSIS

### Recommendation

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

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>WC0857425</b>	WC0800785	WC0738606
Sample Date	Client Info		<b>23 Oct 2023</b>	27 Mar 2023	14 Sep 2022
Machine Age	hrs	Client Info	<b>10643</b>	10099	9121
Oil Age	hrs	Client Info	<b>10643</b>	10099	9121
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>1.071</b>	1.075	1.074
pH	Scale 0-14 ASTM D1287		<b>8.43</b>	8.42	8.50
Nitrites	ppm AP-053:2009		<b>864</b>	600	712
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>53.4</b>	56.1	55.0
Freezing Point	°F ASTM D3321		<b>-43</b>	-50	-47
Total Dissolved Solids			<b>389.0</b>	399.5	376.5
Carboxylate			<b>fail</b>	fail	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<b>42</b>	83	57
Phosphorus	ppm ASTM D6130	0	<b>5</b>	2	13
Boron	ppm ASTM D6130	0	<b>&lt;1</b>	0	2
Molybdenum	ppm ASTM D6130	950	<b>717</b>	1200	1200

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>13</b>	11	2

## CARRIER SALTS

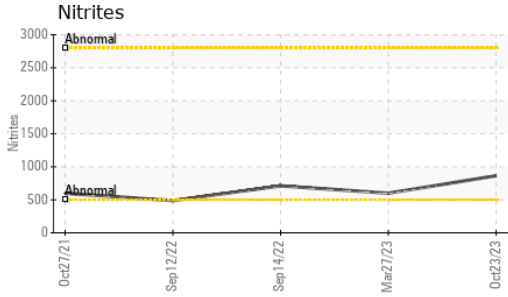
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>4243</b>	6653	2911
Potassium	ppm ASTM D6130		<b>140</b>	243	119



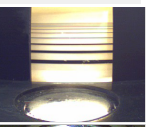


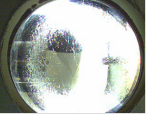
## SCALE POTENTIAL

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

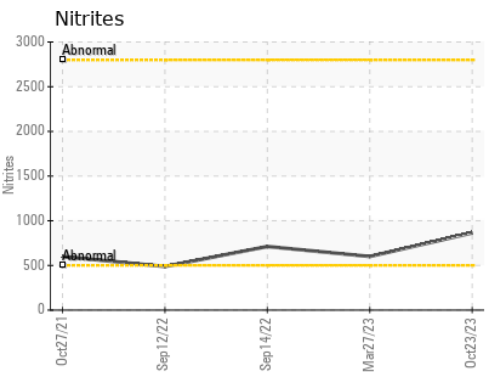
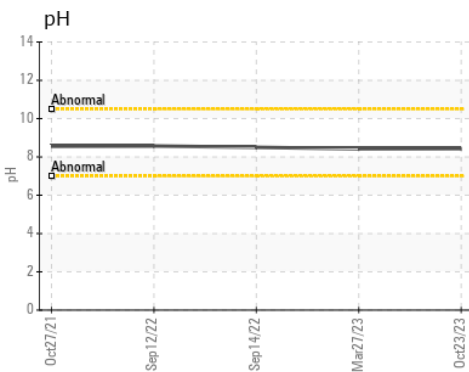
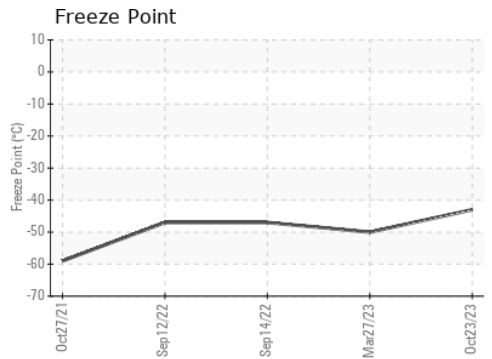
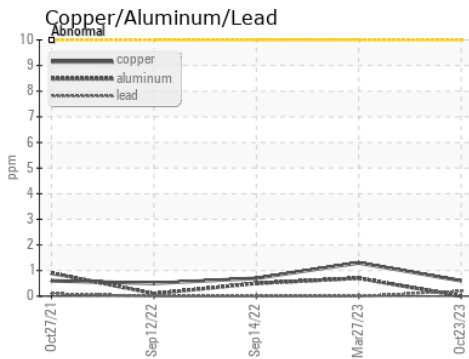
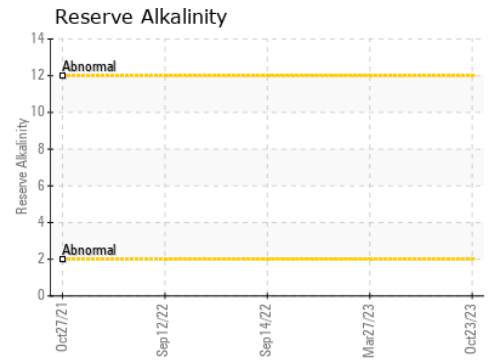
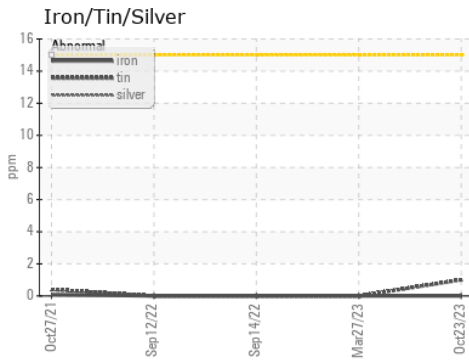


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0857425      **Received** : 31 Oct 2023  
**Lab Number** : 05994872      **Diagnosed** : 03 Nov 2023  
**Unique Number** : 10723232      **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)