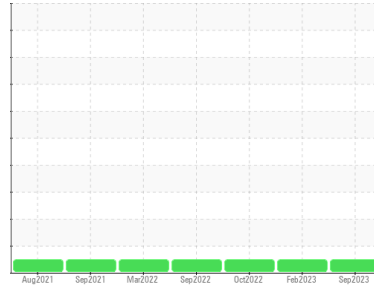




# COOLANT REPORT

Area  
**KANSAS/44/DE - OTHER SERVICE**  
 Machine Id  
**38.85 [KANSAS^44^DE - OTHER SERVICE]**  
 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. 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>WC0781173</b>	WC0779888	WC0746002
Sample Date	Client Info		<b>22 Sep 2023</b>	27 Feb 2023	14 Oct 2022
Machine Age	hrs	Client Info	<b>3654</b>	2798	2247
Oil Age	hrs	Client Info	<b>3654</b>	0	2247
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>1.068</b>	1.068	1.067
pH	Scale 0-14 ASTM D1287		<b>8.76</b>	7.18	7.35
Nitrites	ppm AP-053:2009		<b>412</b>	560	748
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>50.2</b>	50.1	50.0
Freezing Point	°F ASTM D3321		<b>-35</b>	-35	-35
Total Dissolved Solids			<b>356.0</b>	327.5	326.5
Carboxylate			<b>fail</b>	pass	pass

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<b>12</b>	39	39
Phosphorus	ppm ASTM D6130	0	<b>&lt;1</b>	1	0
Boron	ppm ASTM D6130	0	<b>12</b>	14	3
Molybdenum	ppm ASTM D6130	950	<b>423</b>	1200	1026

### CORROSION

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

### CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>21</b>	73	78

### CARRIER SALTS

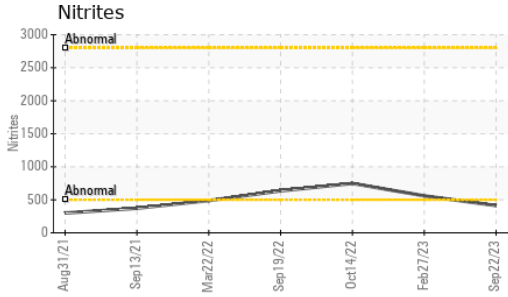
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>3222</b>	5907	4592
Potassium	ppm ASTM D6130		<b>544</b>	2786	2471

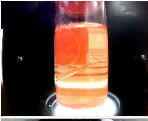

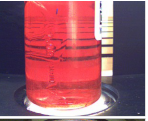



### SCALE POTENTIAL

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

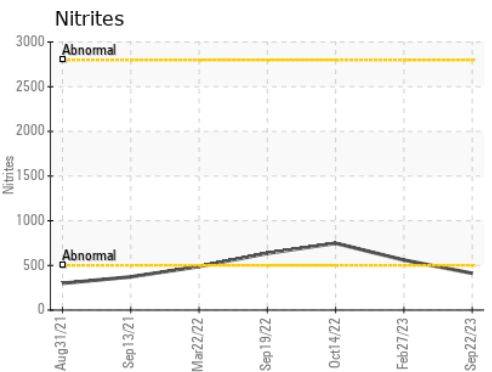
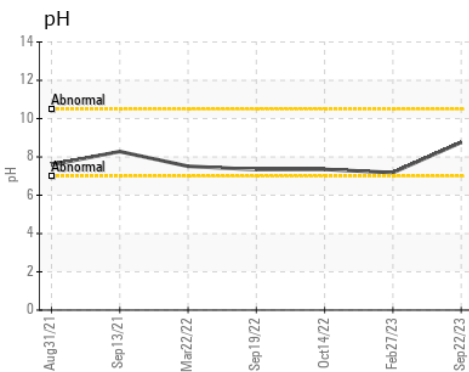
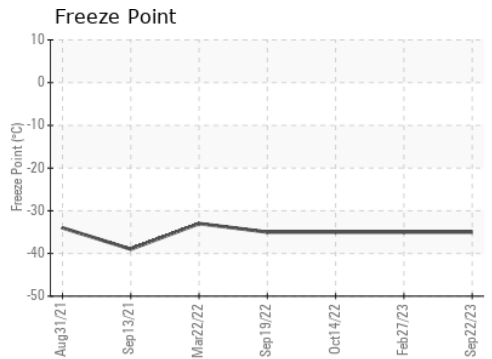
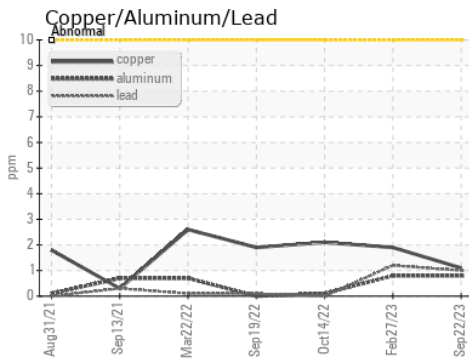
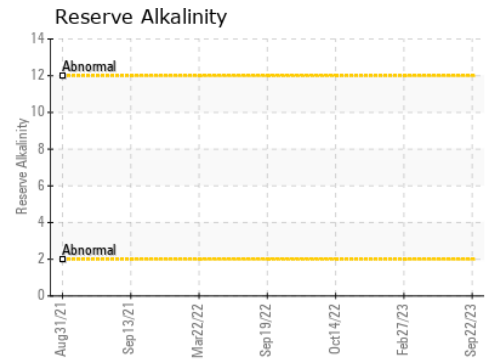
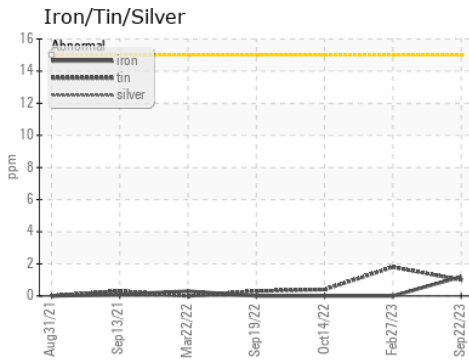


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		<b>Pink</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.** : WC0781173 **Received** : 28 Sep 2023  
**Lab Number** : 05963900 **Diagnosed** : 04 Oct 2023  
**Unique Number** : 10670451 **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:

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)