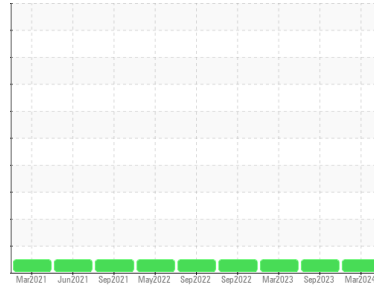




# COOLANT REPORT

Area  
**OKLAHOMA/102**  
 Machine Id  
**35.105L [OKLAHOMA^102]**  
 Component  
**Coolant**  
 Fluid  
**CATERPILLAR ELC (12 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>WC0832389</b>	WC0848898	WC0778333
Sample Date	Client Info	<b>11 Mar 2024</b>	19 Sep 2023	31 Mar 2023
Machine Age	hrs	<b>3315</b>	3090	2807
Oil Age	hrs	<b>0</b>	3090	2807
Oil Changed	Client Info	<b>Not Changed</b>	Not Changed	Not Changed
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Glycol Type	FT-IR	---	---	---
Specific Gravity	*ASTM D1298	<b>1.068</b>	1.068	1.071
pH	Scale 0-14 ASTM D1287	<b>7.79</b>	7.69	7.23
Nitrites	ppm AP-053:2009	<b>560</b>	712	260
Reserve Alkalinity	Scale 0-20 *ASTM D1121	---	---	---
Percentage Glycol	% ASTM D3321	<b>50.8</b>	50.7	53.1
Freezing Point	°F ASTM D3321	<b>-35</b>	-35	-43
Total Dissolved Solids		<b>406.5</b>	413.0	406.0
Carboxylate		<b>fail</b>	fail	fail

## CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130 0	<b>23</b>	40	119
Phosphorus	ppm ASTM D6130 0	<b>2</b>	0	6
Boron	ppm ASTM D6130 0	<b>0</b>	3	10
Molybdenum	ppm ASTM D6130 950	<b>635</b>	944	1074

## CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130 >15	<b>3</b>	0	<1
Aluminum	ppm ASTM D6130 >10	<b>0</b>	0	2
Copper	ppm ASTM D6130 >10	<b>&lt;1</b>	<1	5
Lead	ppm ASTM D6130 >10	<b>&lt;1</b>	0	<1
Tin	ppm ASTM D6130 >10	<b>0</b>	0	0
Zinc	ppm ASTM D6130	<b>0</b>	0	12

## CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	<b>9</b>	13	41

## CARRIER SALTS

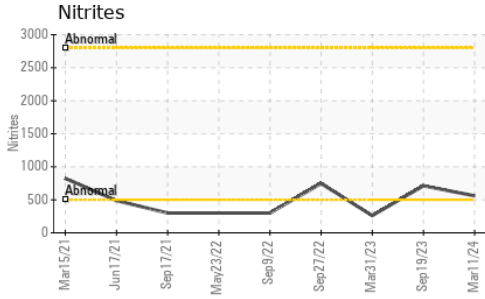
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	<b>3731</b>	5194	5552
Potassium	ppm ASTM D6130	<b>267</b>	417	1433

## SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130	<b>&lt;1</b>	1	1
Magnesium	ppm ASTM D6130	<b>2</b>	4	10

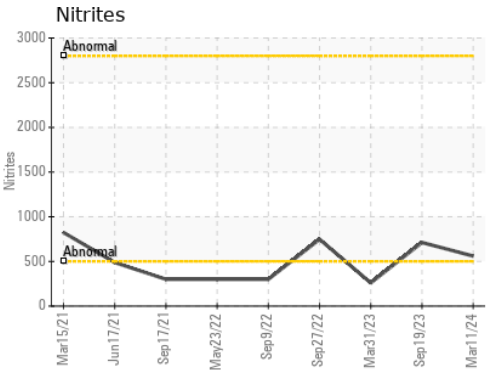
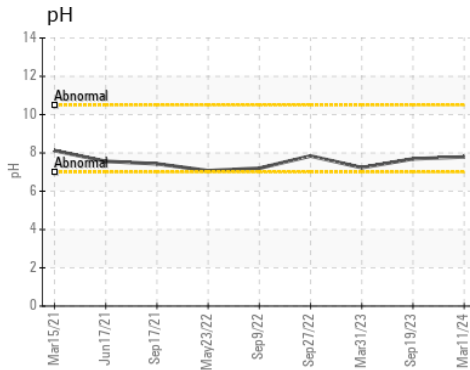
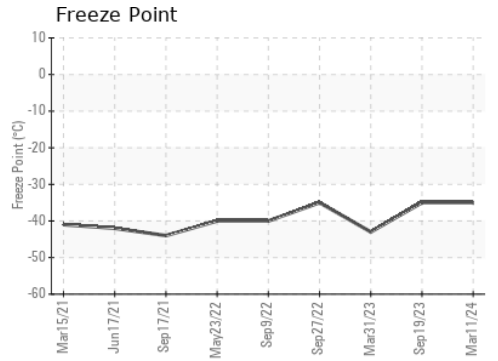
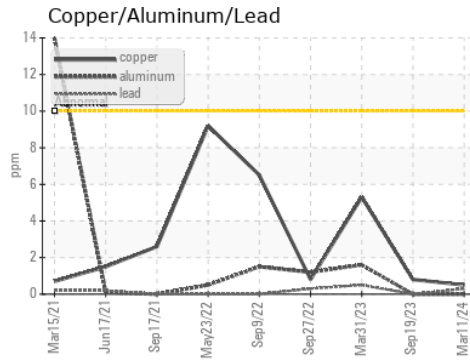
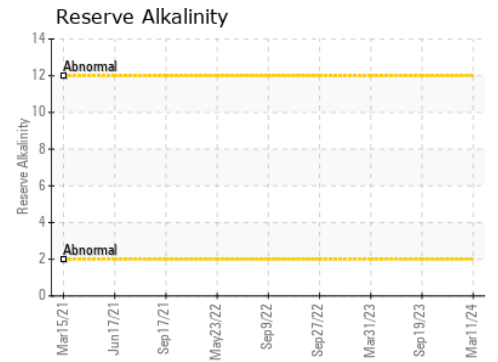
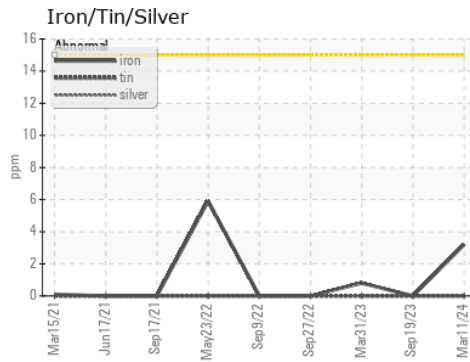


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0832389  
**Lab Number** : 06121907  
**Unique Number** : 10936058  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: DOUG KING  
 Doug.King@sherwood.net

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)

T:  
F: