



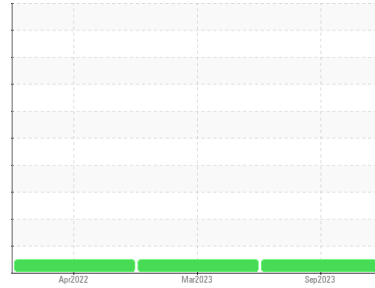
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102**  
 Machine Id  
**74.29 [OKLAHOMA^102]**  
 Component  
**Coolant**  
 Fluid  
**CATERPILLAR ELC (--- GAL)**



## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service. ( Customer Sample Comment: 2171 hrs )

### 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>WC0819999</b>	WC0746773	WC0665232
Sample Date	Client Info	<b>18 Sep 2023</b>	29 Mar 2023	08 Apr 2022
Machine Age	hrs	<b>2171</b>	1510	14
Oil Age	hrs	<b>2171</b>	1510	14
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	<b>1.069</b>	1.068	1.067
pH	Scale 0-14	<b>8.29</b>	8.64	8.21
Nitrites	ppm	<b>112</b>	184	700
Reserve Alkalinity	Scale 0-20	<b>---</b>	---	---
Percentage Glycol	%	<b>51.3</b>	50.9	49.8
Freezing Point	°F	<b>-38</b>	-35	-33
Total Dissolved Solids		<b>364.0</b>	322.5	323.0
Carboxylate		<b>fail</b>	pass	pass

## CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm	<b>83</b>	176	23
Phosphorus	ppm	<b>0</b>	0	2
Boron	ppm	<b>0</b>	9	0
Molybdenum	ppm	<b>1008</b>	936	987

## CORROSION

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

## CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm	<b>10</b>	30	0

## CARRIER SALTS

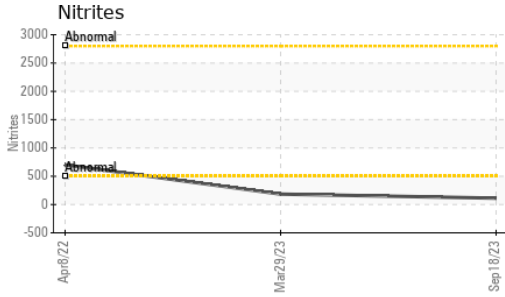
method	limit/base	current	history1	history2
Sodium	ppm	<b>5951</b>	5593	2579
Potassium	ppm	<b>265</b>	319	72



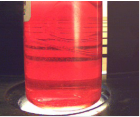



## SCALE POTENTIAL

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

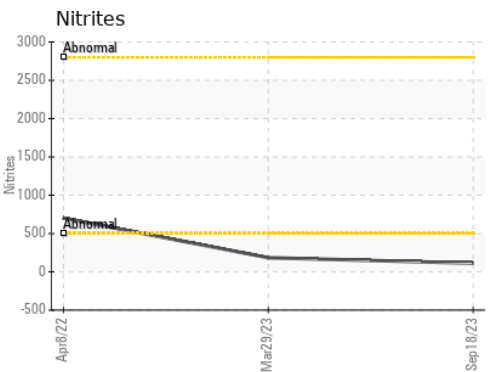
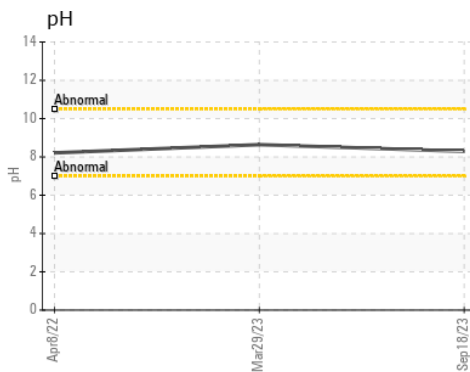
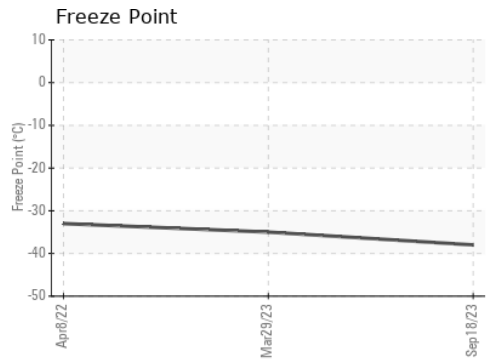
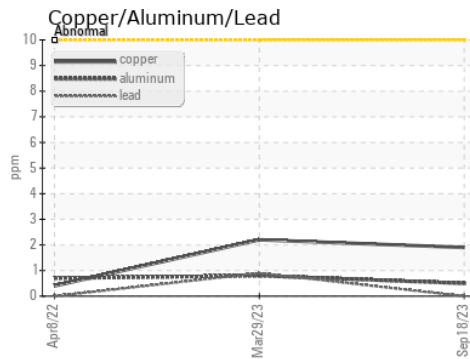
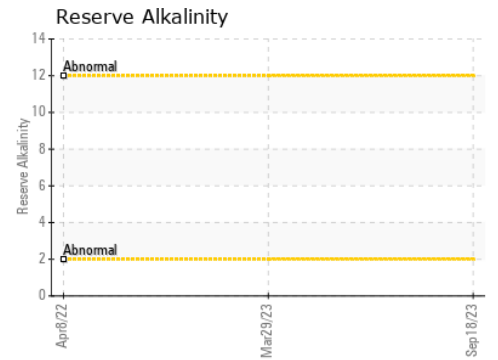
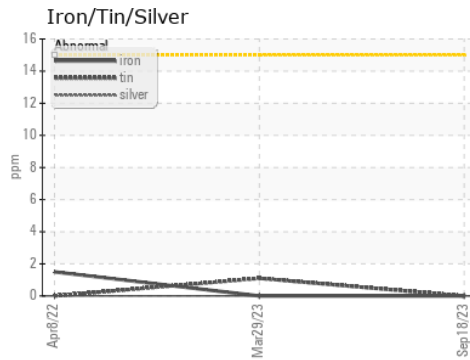


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0819999      **Received** : 25 Sep 2023  
**Lab Number** : 05960292      **Diagnosed** : 28 Sep 2023  
**Unique Number** : 10661505      **Diagnostician** : Doug Bogart  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: SHAWN SOUTH  
 shawn.south@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: x:  
F: x: