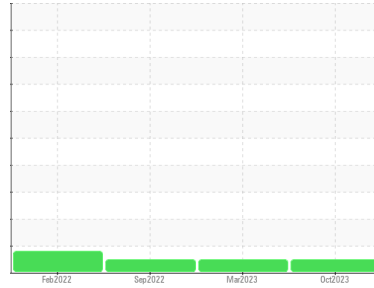




# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**KANSAS/88**  
 Machine Id  
**53.167L [KANSAS^88]**  
 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>WC0833822</b>	WC0779842	WC0712310
Sample Date	Client Info		<b>23 Oct 2023</b>	06 Mar 2023	19 Sep 2022
Machine Age	hrs	Client Info	<b>2672</b>	2501	2248
Oil Age	hrs	Client Info	<b>2672</b>	2248	2248
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>1.064</b>	1.064	1.063
pH	Scale 0-14	ASTM D1287	<b>7.96</b>	7.89	7.91
Nitrites	ppm	AP-053:2009	<b>788</b>	600	824
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>47.2</b>	47.0	46.5
Freezing Point	°F	ASTM D3321	<b>-28</b>	-28	-26
Total Dissolved Solids			<b>399.0</b>	345.5	389.0
Carboxylate			<b>fail</b>	pass	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	<b>35</b>	89	70
Phosphorus	ppm	ASTM D6130	<b>332</b>	730	376
Boron	ppm	ASTM D6130	<b>143</b>	265	248
Molybdenum	ppm	ASTM D6130	<b>549</b>	1010	877

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		<b>15</b>	36

## CARRIER SALTS

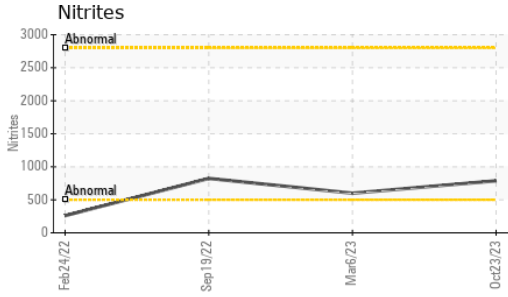
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		<b>3707</b>	6015
Potassium	ppm	ASTM D6130		<b>1586</b>	3498

## SCALE POTENTIAL

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

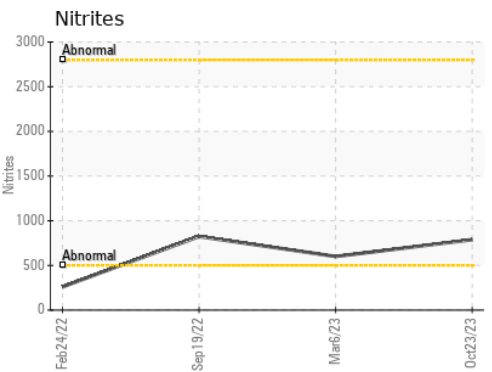
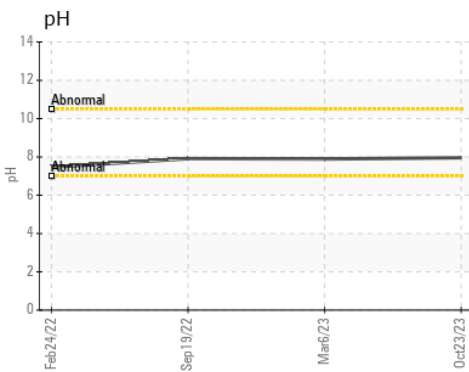
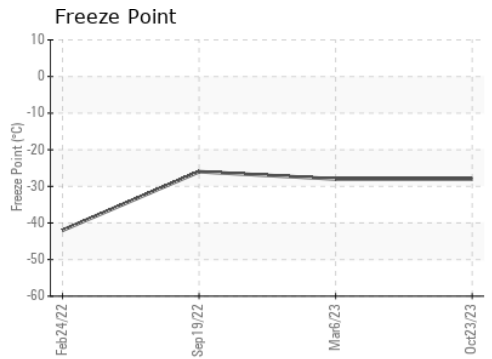
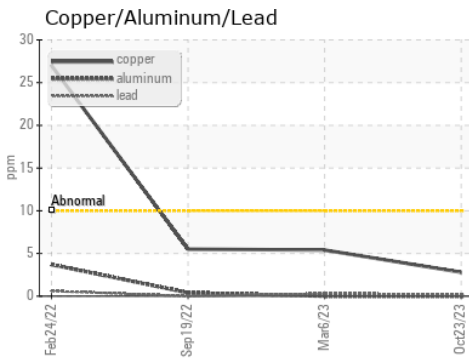
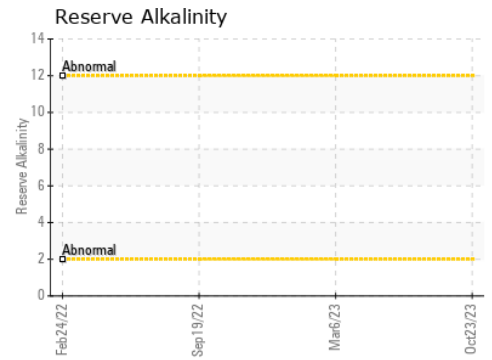
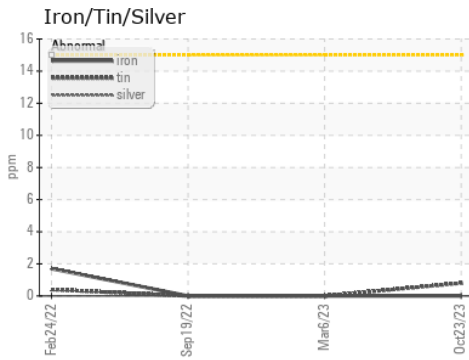


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0833822 **Received** : 31 Oct 2023  
**Lab Number** : 05994860 **Diagnosed** : 03 Nov 2023  
**Unique Number** : 10723220 **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:

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)