



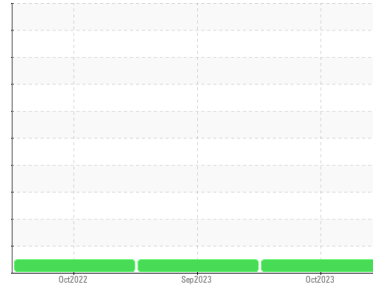
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**KANSAS/15/EG - OTHER SERVICE**  
 Machine Id  
**53.127L [KANSAS^15^EG - OTHER SERVICE]**  
 Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (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>WC0833764</b>	WC0789915	WC0741717
Sample Date	Client Info		<b>02 Oct 2023</b>	11 Sep 2023	14 Oct 2022
Machine Age	hrs	Client Info	<b>1441</b>	1409	1174
Oil Age	hrs	Client Info	<b>1441</b>	1409	968
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>	1.069	1.067
pH	Scale 0-14 ASTM D1287		<b>7.90</b>	7.89	7.94
Nitrites	ppm AP-053:2009		<b>600</b>	372	636
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>51.2</b>	51.2	49.3
Freezing Point	°F ASTM D3321		<b>-38</b>	-38	-33
Total Dissolved Solids			<b>368.0</b>	385.5	359.0
Carboxylate			<b>fail</b>	pass	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<b>15</b>	25	34
Phosphorus	ppm ASTM D6130	0	<b>53</b>	66	88
Boron	ppm ASTM D6130	0	<b>2</b>	<1	7
Molybdenum	ppm ASTM D6130	950	<b>571</b>	947	945

## 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>	0	0
Copper	ppm ASTM D6130	>10	<b>1</b>	2	2
Lead	ppm ASTM D6130	>10	<b>&lt;1</b>	<1	0
Tin	ppm ASTM D6130	>10	<b>&lt;1</b>	0	<1
Zinc	ppm ASTM D6130		<b>0</b>	0	0

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>11</b>	73	13

## CARRIER SALTS

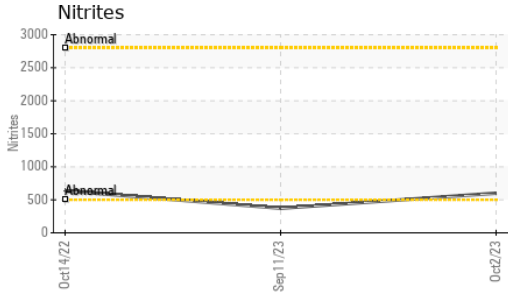
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>3904</b>	5933	4917
Potassium	ppm ASTM D6130		<b>779</b>	1325	1428







## SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		<b>1</b>	1	0
Magnesium	ppm ASTM D6130		<b>2</b>	2	2

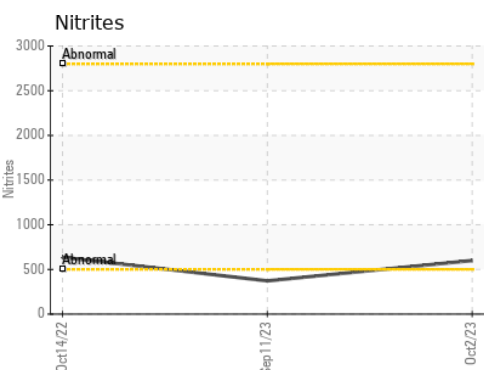
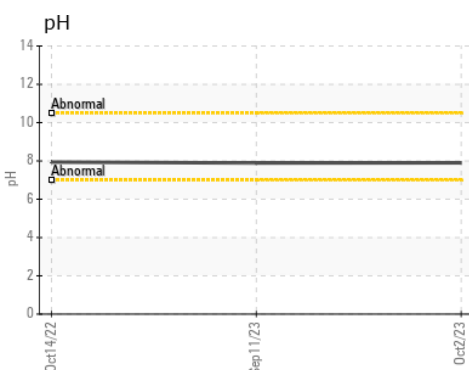
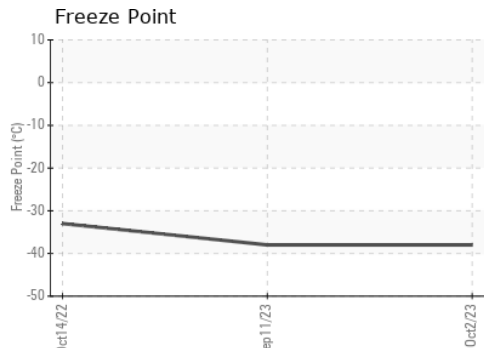
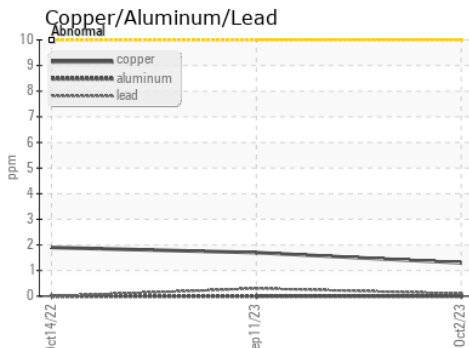
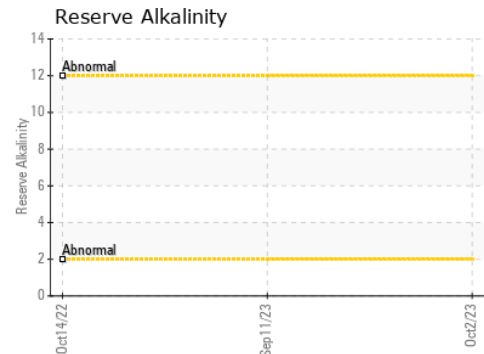
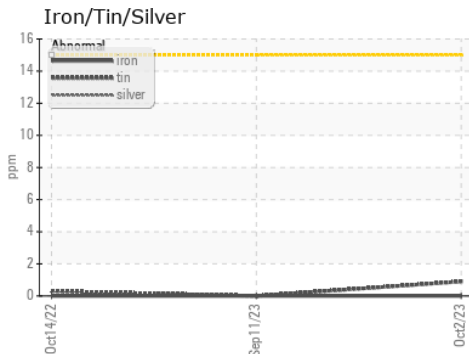


# COOLANT REPORT



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.** : WC0833764      **Received** : 31 Oct 2023  
**Lab Number** : 05994864      **Diagnosed** : 03 Nov 2023  
**Unique Number** : 10723224      **Diagnostician** : Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: BILL ORCUTT  
 william.orcutt@wildcat.net

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)