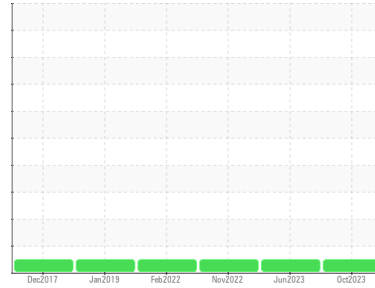




# COOLANT REPORT

Sample Rating Trend



**NORMAL**



Area  
**KANSAS/15/EG - EXCAVATOR**  
 Machine Id  
**20.142L [KANSAS^15^EG - EXCAVATOR]**  
 Component  
**Coolant**  
 Fluid  
**EXTENDED LIFE COOLANT (--- 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>WC0833862</b>	WC0789846	WC0745907
Sample Date	Client Info		<b>13 Oct 2023</b>	08 Jun 2023	01 Nov 2022
Machine Age	hrs	Client Info	<b>6095</b>	5820	4858
Oil Age	hrs	Client Info	<b>6095</b>	5820	5202
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>1.068</b>	1.069	1.068
pH	Scale 0-14 ASTM D1287		<b>7.67</b>	7.52	7.55
Nitrites	ppm AP-053:2009		<b>788</b>	336	524
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>50.6</b>	51.0	50.9
Freezing Point	°F ASTM D3321		<b>-35</b>	-38	-35
Total Dissolved Solids			<b>322.0</b>	364.5	306.5
Carboxylate			<b>fail</b>	fail	fail

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130		<b>2</b>	5	23
Phosphorus	ppm ASTM D6130		<b>5</b>	0	0
Boron	ppm ASTM D6130		<b>0</b>	0	16
Molybdenum	ppm ASTM D6130		<b>546</b>	1079	990

## CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	<b>0</b>	0	<1
Aluminum	ppm ASTM D6130	>10	<b>0</b>	2	4
Copper	ppm ASTM D6130	>10	<b>&lt;1</b>	<1	2
Lead	ppm ASTM D6130	>10	<b>&lt;1</b>	0	0
Tin	ppm ASTM D6130	>10	<b>&lt;1</b>	0	0
Zinc	ppm ASTM D6130		<b>1</b>	3	4

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>19</b>	0	30

## CARRIER SALTS

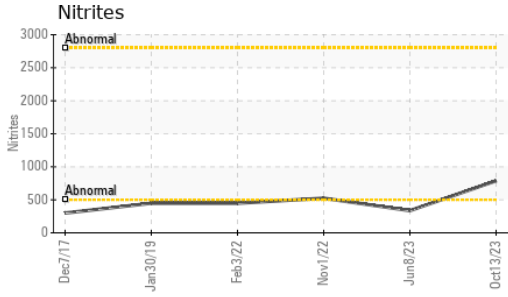
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>3791</b>	5662	5571
Potassium	ppm ASTM D6130		<b>78</b>	126	200

## SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		<b>4</b>	6	7
Magnesium	ppm ASTM D6130		<b>&lt;1</b>	<1	2

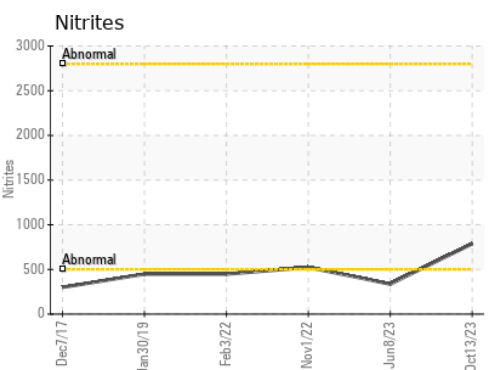
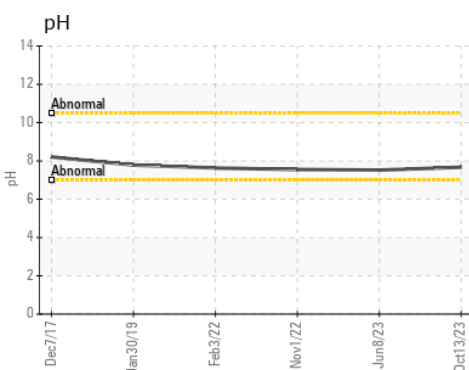
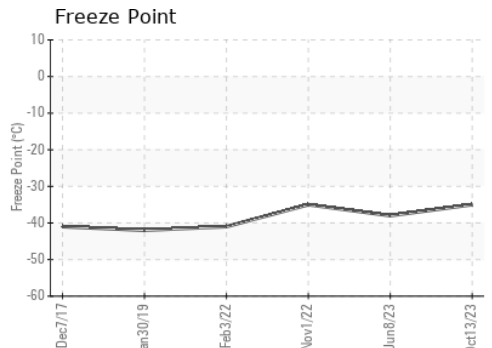
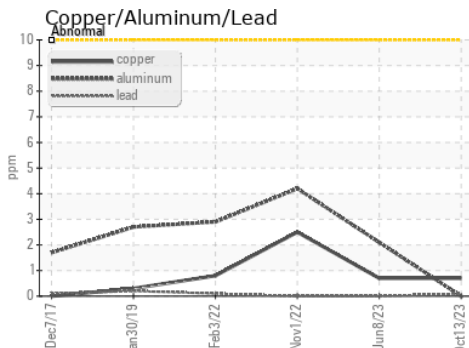
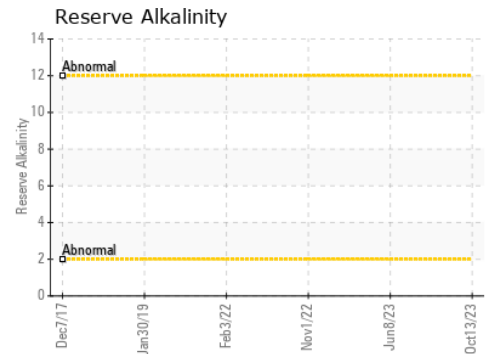
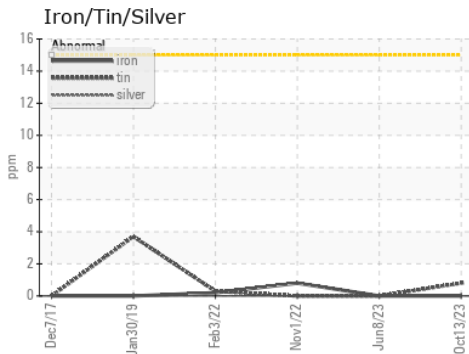


# COOLANT REPORT



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.** : WC0833862 **Received** : 31 Oct 2023  
**Lab Number** : 05994841 **Diagnosed** : 03 Nov 2023  
**Unique Number** : 10723201 **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:

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)