



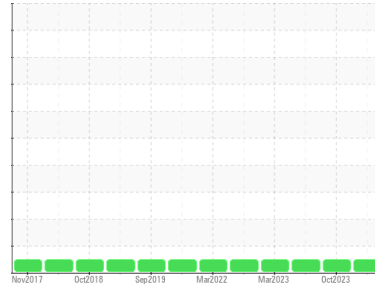
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**KANSAS/44/EG - LOADER**  
 Machine Id  
**46.86L [KANSAS^44^EG - LOADER]**  
 Component  
**Coolant**  
 Fluid  
**EXTENDED LIFE COOLANT (--- GAL)**



## 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>WC0821591</b>	WC0833802	WC0821498
Sample Date	Client Info		<b>14 Feb 2024</b>	02 Oct 2023	29 Sep 2023
Machine Age	hrs	Client Info	<b>5257</b>	4955	4955
Oil Age	hrs	Client Info	<b>0</b>	4955	4954
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>1.070</b>	1.070	1.069
pH	Scale 0-14	ASTM D1287	<b>8.10</b>	7.70	7.72
Nitrites	ppm	AP-053:2009	<b>412</b>	412	712
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>52.1</b>	52.1	51.9
Freezing Point	°F	ASTM D3321	<b>-40</b>	-40	-38
Boiling Point	°C	WC Method	<b>226</b>	---	---
Total Dissolved Solids			<b>331.0</b>	396.0	361.5
Carboxylate			<b>fail</b>	fail	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	<b>47</b>	45	44
Phosphorus	ppm	ASTM D6130	<b>33</b>	2	2
Boron	ppm	ASTM D6130	<b>0</b>	0	0
Molybdenum	ppm	ASTM D6130	<b>776</b>	869	848

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		<b>9</b>	7

## CARRIER SALTS

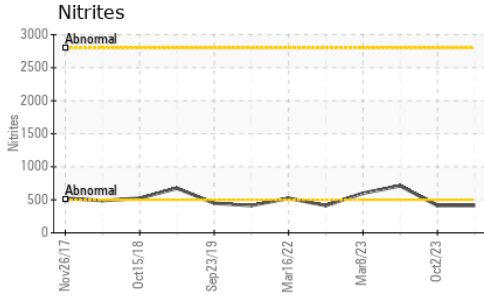
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		<b>4565</b>	4703
Potassium	ppm	ASTM D6130		<b>330</b>	348

## SCALE POTENTIAL

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

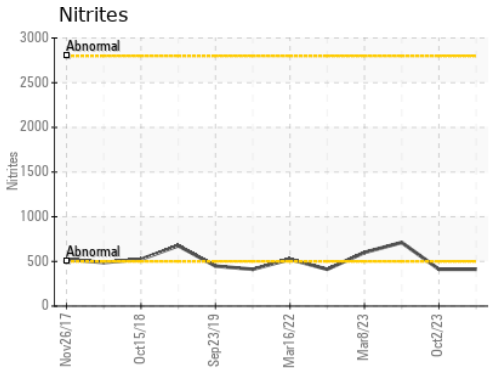
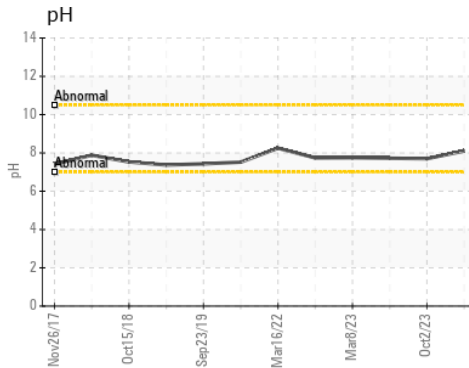
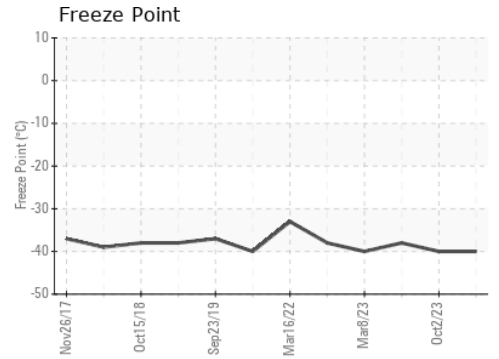
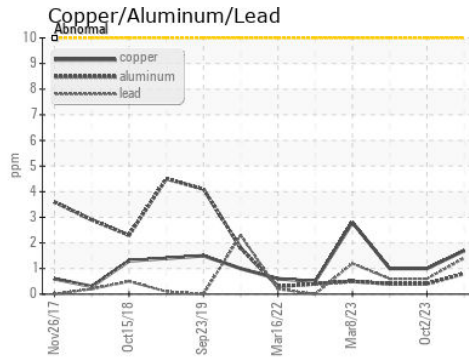
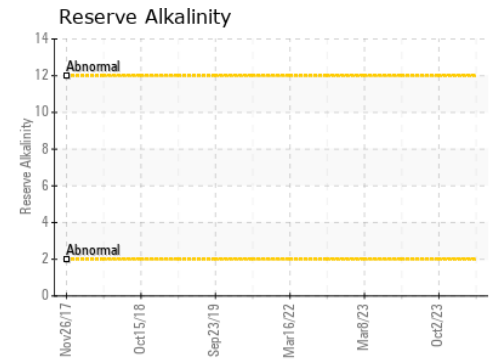
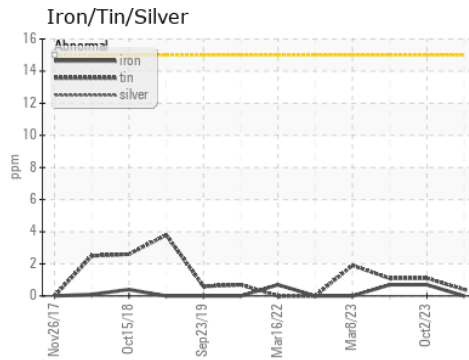


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0821591 **Received** : 22 Feb 2024  
**Lab Number** : 06097354 **Tested** : 27 Feb 2024  
**Unique Number** : 10890207 **Diagnosed** : 27 Feb 2024 - Jonathan Hester  
**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  
 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)