



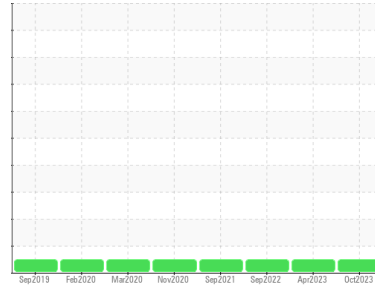
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102/EG - LOADER**  
 Machine Id  
**45.42L [OKLAHOMA^102^EG - LOADER]**  
 Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)**



## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service. ( Customer Sample Comment: 6300 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>WC0819841</b>	WC0800834	WC0713246
Sample Date	Client Info		<b>07 Oct 2023</b>	04 Apr 2023	10 Sep 2022
Machine Age	hrs	Client Info	<b>6300</b>	5968	1000
Oil Age	hrs	Client Info	<b>6300</b>	1000	5060
Oil Changed		Client Info	<b>N/A</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>1.068</b>	1.068	1.068
pH	Scale 0-14	ASTM D1287	<b>7.44</b>	7.57	7.44
Nitrites	ppm	AP-053:2009	<b>372</b>	448	412
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>50.3</b>	50.1	50.8
Freezing Point	°F	ASTM D3321	<b>-35</b>	-35	-35
Total Dissolved Solids			<b>370.5</b>	332.5	51.5
Carboxylate			<b>fail</b>	fail	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	<b>&lt;1</b>	23	26
Phosphorus	ppm	ASTM D6130	0	<b>5</b>	4	37
Boron	ppm	ASTM D6130	0	<b>0</b>	13	0
Molybdenum	ppm	ASTM D6130	950	<b>618</b>	1006	1118

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		<b>2</b>	19	8

## CARRIER SALTS

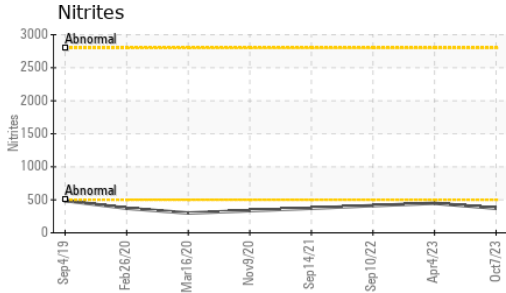
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		<b>3605</b>	5344	3154
Potassium	ppm	ASTM D6130		<b>111</b>	314	203


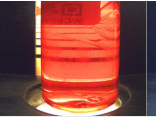


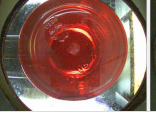
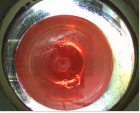
## SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		<b>&lt;1</b>	2	3
Magnesium	ppm	ASTM D6130		<b>&lt;1</b>	<1	0

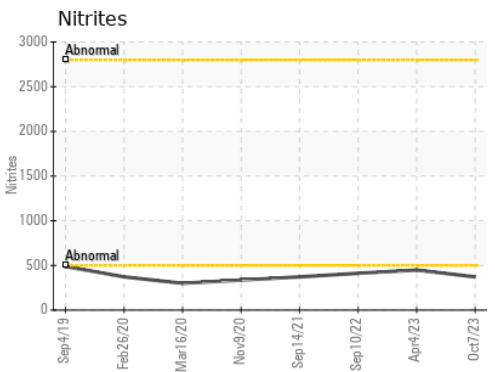
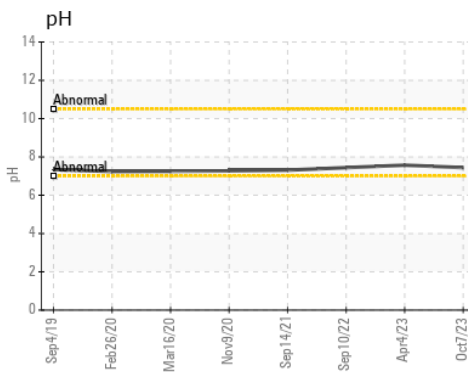
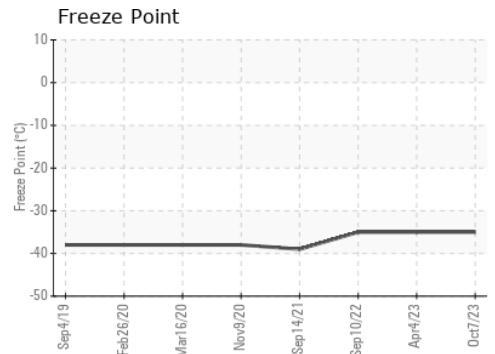
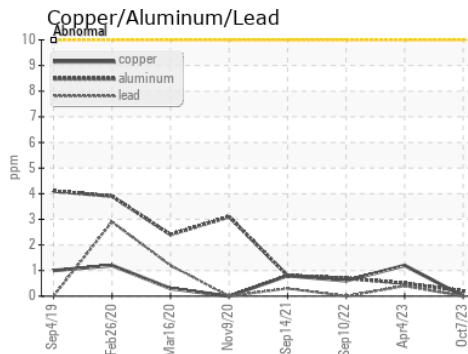
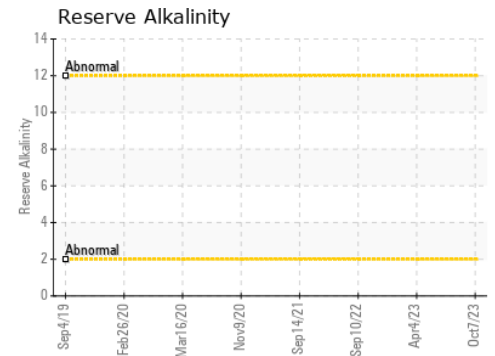
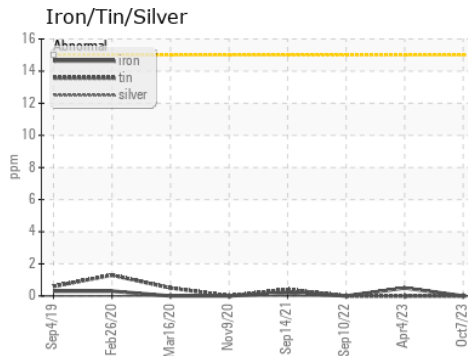


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		LtRed	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.** : WC0819841 **Received** : 16 Oct 2023  
**Lab Number** : 05980103 **Diagnosed** : 19 Oct 2023  
**Unique Number** : 10697398 **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)