



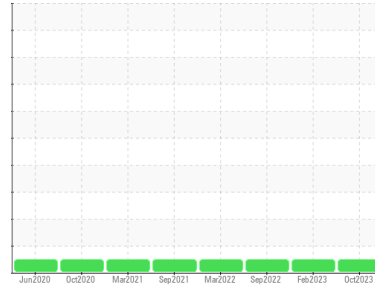
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**KANSAS/44/EG - LOADER**  
 Machine Id  
**45.51L [KANSAS^44^EG - LOADER]**  
 Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (9 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>WC0789784</b>	WC0789766	WC0712293
Sample Date	Client Info		<b>09 Oct 2023</b>	27 Feb 2023	19 Sep 2022
Machine Age	hrs	Client Info	<b>2475</b>	2011	1610
Oil Age	hrs	Client Info	<b>2475</b>	2011	1610
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>1.067</b>	1.067	1.067
pH	Scale 0-14 ASTM D1287		<b>7.04</b>	7.05	7.18
Nitrites	ppm AP-053:2009		<b>372</b>	488	336
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>49.9</b>	49.7	49.6
Freezing Point	°F ASTM D3321		<b>-33</b>	-33	-33
Total Dissolved Solids			<b>365.0</b>	332.5	42.0
Carboxylate			<b>fail</b>	pass	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<b>&lt;1</b>	59	44
Phosphorus	ppm ASTM D6130	0	<b>5</b>	25	50
Boron	ppm ASTM D6130	0	<b>0</b>	14	0
Molybdenum	ppm ASTM D6130	950	<b>550</b>	1130	983

## CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	<b>0</b>	0	0
Aluminum	ppm ASTM D6130	>10	<b>&lt;1</b>	1	0
Copper	ppm ASTM D6130	>10	<b>0</b>	4	<1
Lead	ppm ASTM D6130	>10	<b>0</b>	1	0
Tin	ppm ASTM D6130	>10	<b>0</b>	2	0
Zinc	ppm ASTM D6130		<b>19</b>	14	6

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>4</b>	61	27

## CARRIER SALTS

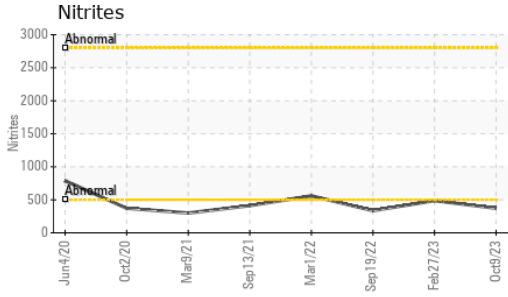
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>3385</b>	6195	2970
Potassium	ppm ASTM D6130		<b>545</b>	1813	582



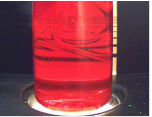



## SCALE POTENTIAL

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

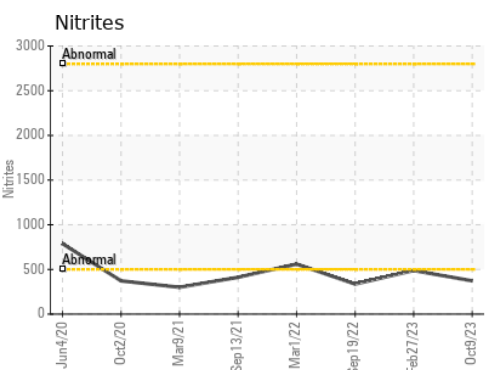
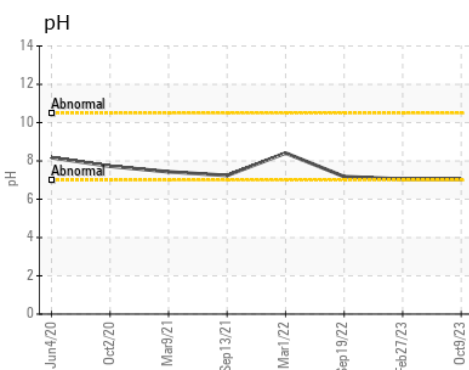
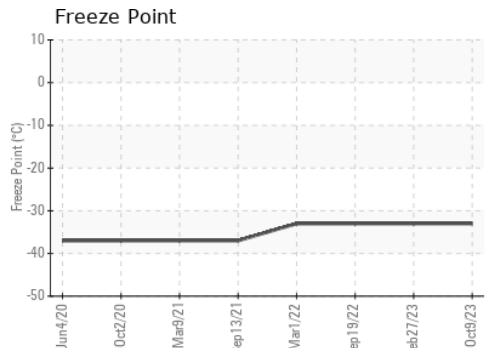
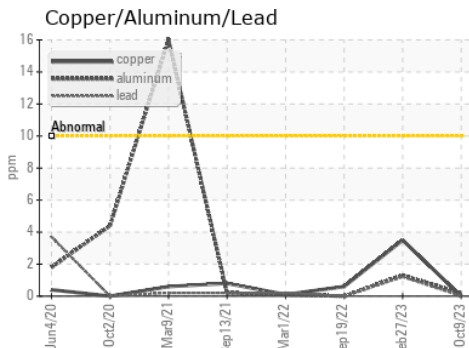
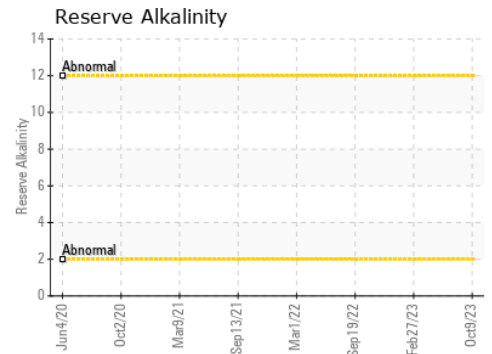
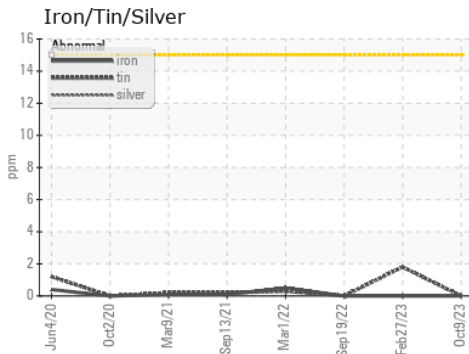


# COOLANT REPORT



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.** : WC0789784 **Received** : 13 Oct 2023  
**Lab Number** : 05978592 **Diagnosed** : 18 Oct 2023  
**Unique Number** : 10695887 **Diagnostician** : Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
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 doug.king@sherwood.net  
 T: (316)617-3161  
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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)