



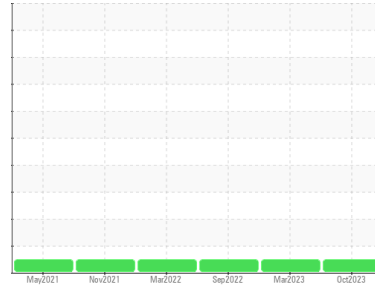
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**COLORADO/443/EG - LOADER**  
 Machine Id  
**45.55L [COLORADO^443^EG - LOADER]**  
 Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (9 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>WC0859675</b>	WC0766237	WC0718092
Sample Date	Client Info		<b>26 Oct 2023</b>	01 Mar 2023	15 Sep 2022
Machine Age	hrs	Client Info	<b>3370</b>	2672	2556
Oil Age	hrs	Client Info	<b>3370</b>	2672	2556
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>6.96</b>	7.20	7.21
Nitrites	ppm	AP-053:2009	<b>448</b>	300	224
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>49.8</b>	49.5	49.6
Freezing Point	°F	ASTM D3321	<b>-33</b>	-33	-33
Total Dissolved Solids			<b>332.0</b>	351.5	346.5
Carboxylate			<b>fail</b>	pass	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	<b>10</b>	45	40
Phosphorus	ppm	ASTM D6130	0	<b>0</b>	0	6
Boron	ppm	ASTM D6130	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D6130	950	<b>594</b>	1120	957

## 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>	<1	<1
Copper	ppm	ASTM D6130	>10	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D6130	>10	<b>0</b>	<1	0
Tin	ppm	ASTM D6130	>10	<b>&lt;1</b>	<1	0
Zinc	ppm	ASTM D6130		<b>15</b>	8	7

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		<b>0</b>	24	12

## CARRIER SALTS

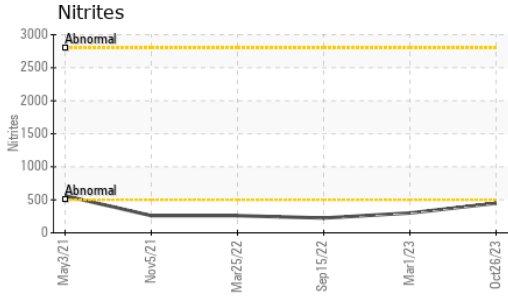
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		<b>3546</b>	5977	3091
Potassium	ppm	ASTM D6130		<b>700</b>	1374	518

## SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130	>100	<b>&lt;1</b>	2	<1
Magnesium	ppm	ASTM D6130	>40	<b>1</b>	<1	0
Hardness	mg/L CaCO3	*In-house	<75	<b>7</b>	---	---

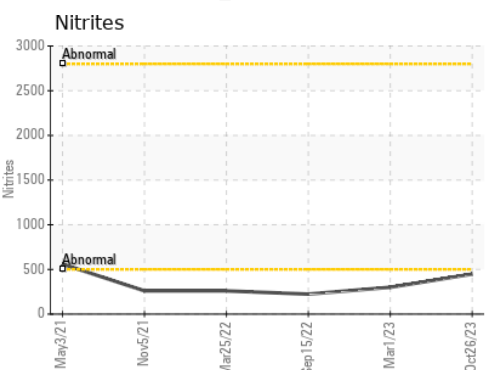
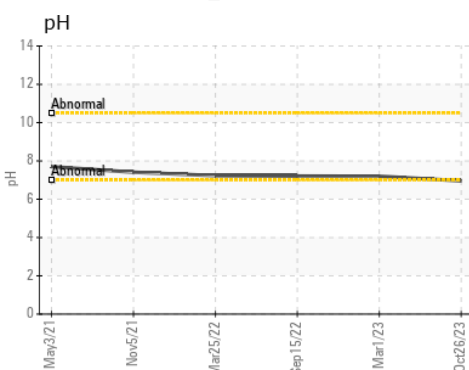
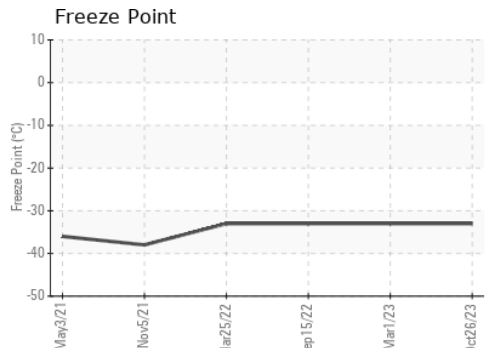
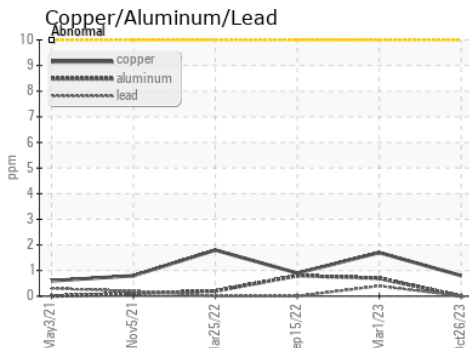
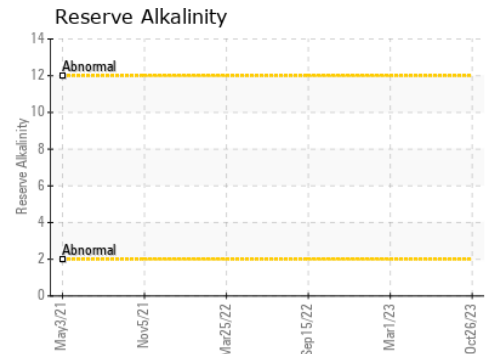
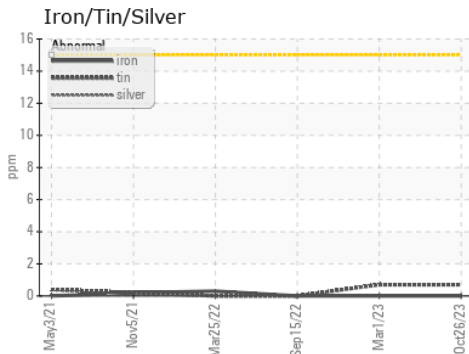


# COOLANT REPORT



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.** : WC0859675 **Received** : 30 Oct 2023  
**Lab Number** : 05993928 **Diagnosed** : 03 Nov 2023  
**Unique Number** : 10722288 **Diagnostician** : Jonathan Hester  
**Test Package** : CONST

**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)