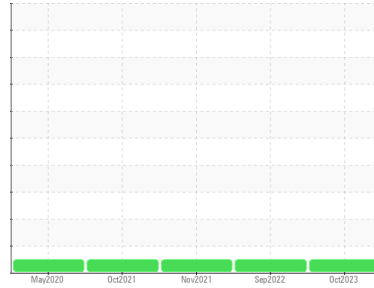




# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**COLORADO/443**  
 Machine Id  
**78.258 [COLORADO^443]**

Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (--- 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>WC0859707</b>	WC0718080	WC0607687
Sample Date	Client Info		<b>27 Oct 2023</b>	20 Sep 2022	05 Nov 2021
Machine Age	hrs	Client Info	<b>17280</b>	16978	16229
Oil Age	hrs	Client Info	<b>17280</b>	16978	0
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	Not Changed
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	---
pH	Scale 0-14 ASTM D1287		<b>8.24</b>	8.22	7.93
Nitrites	ppm AP-053:2009		<b>748</b>	788	560
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>50.6</b>	50.8	51
Freezing Point	°F ASTM D3321		<b>-35</b>	-35	-42
Total Dissolved Solids			<b>352.0</b>	419.0	396.0
Carboxylate			<b>fail</b>	pass	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<b>53</b>	136	112
Phosphorus	ppm ASTM D6130	0	<b>50</b>	197	12
Boron	ppm ASTM D6130	0	<b>132</b>	572	62
Molybdenum	ppm ASTM D6130	950	<b>587</b>	698	1107

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>11</b>	0	1200

## CARRIER SALTS

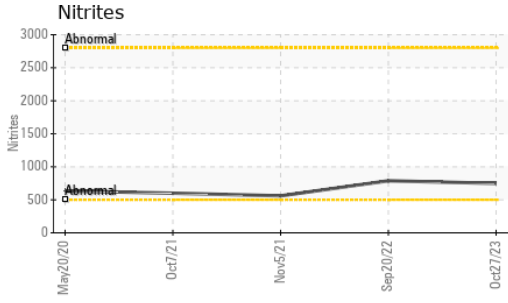
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>3953</b>	4030	3497
Potassium	ppm ASTM D6130		<b>204</b>	840	398

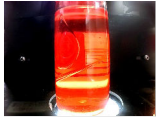

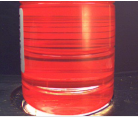
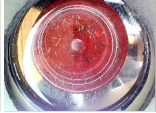
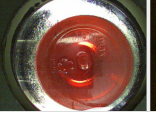

## SCALE POTENTIAL

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

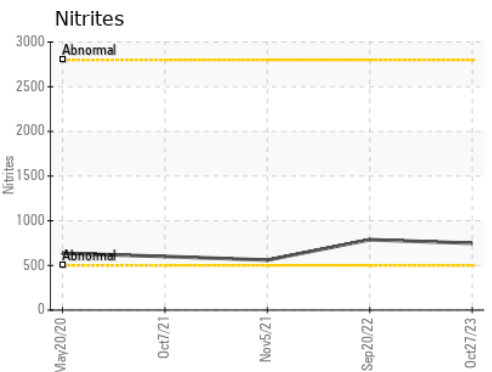
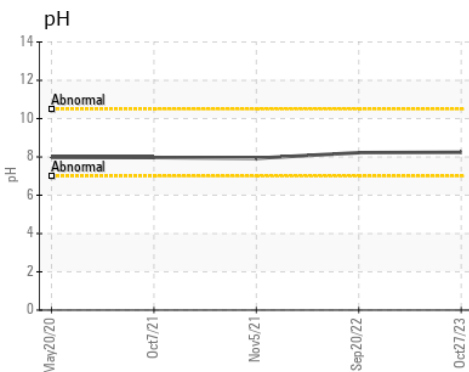
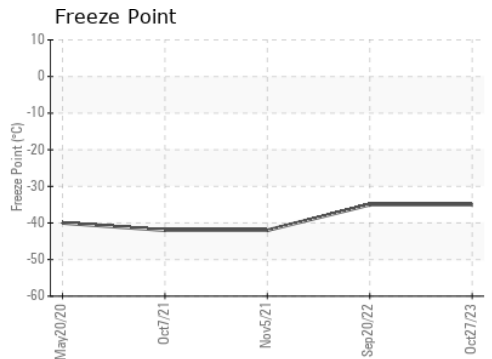
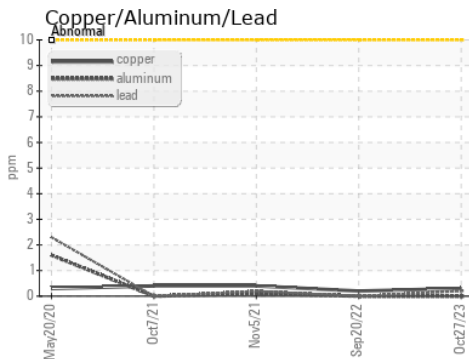
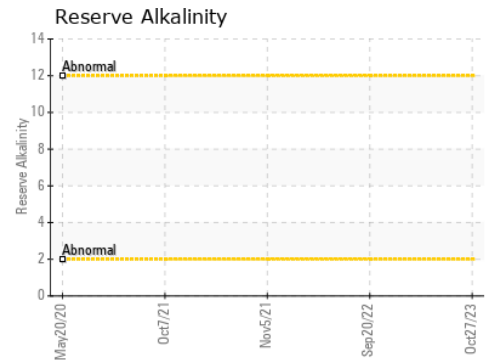
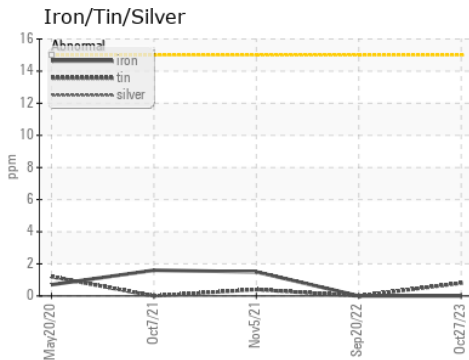


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0859707 **Received** : 31 Oct 2023  
**Lab Number** : 05995191 **Diagnosed** : 03 Nov 2023  
**Unique Number** : 10723551 **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)