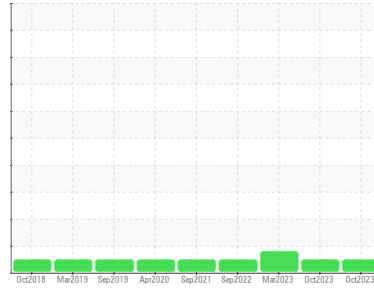




# COOLANT REPORT

Sample Rating Trend



**NORMAL**



Area  
**KANSAS/44/EG - DOZER**  
 Machine Id  
**36.31L [KANSAS^44^EG - DOZER]**  
 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>WC0862621</b>	WC0789782	WC0746821
Sample Date	Client Info		<b>23 Oct 2023</b>	09 Oct 2023	13 Mar 2023
Machine Age	hrs	Client Info	<b>9979</b>	9979	9677
Oil Age	hrs	Client Info	<b>9979</b>	9979	9677
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	N/A
Sample Status			<b>NORMAL</b>	NORMAL	ABNORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>1.067</b>	1.067	1.069
pH	Scale 0-14 ASTM D1287		<b>8.02</b>	7.84	6.99
Nitrites	ppm AP-053:2009		<b>788</b>	712	900
Reserve Alkalinity	Scale 0-20 *ASTM D1121		<b>---</b>	---	---
Percentage Glycol	% ASTM D3321		<b>49.8</b>	49.7	51.6
Freezing Point	°F ASTM D3321		<b>-33</b>	-33	-38
Total Dissolved Solids			<b>344.5</b>	335.0	344.0
Carboxylate			<b>fail</b>	pass	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<b>2</b>	<1	58
Phosphorus	ppm ASTM D6130	0	<b>4</b>	5	<1
Boron	ppm ASTM D6130	0	<b>0</b>	0	0
Molybdenum	ppm ASTM D6130	950	<b>704</b>	653	1200

## 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	4
Copper	ppm ASTM D6130	>10	<b>&lt;1</b>	0	▲ 11
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	26

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>8</b>	0	145

## CARRIER SALTS

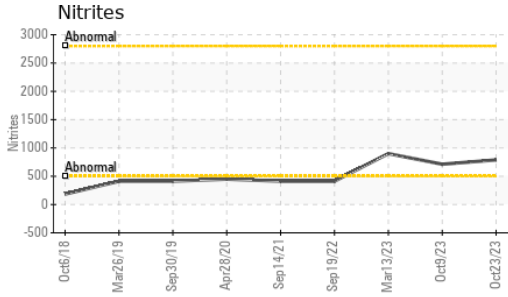
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>3959</b>	3729	7119
Potassium	ppm ASTM D6130		<b>112</b>	49	1574

## SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		<b>2</b>	<1	5
Magnesium	ppm ASTM D6130		<b>&lt;1</b>	<1	7

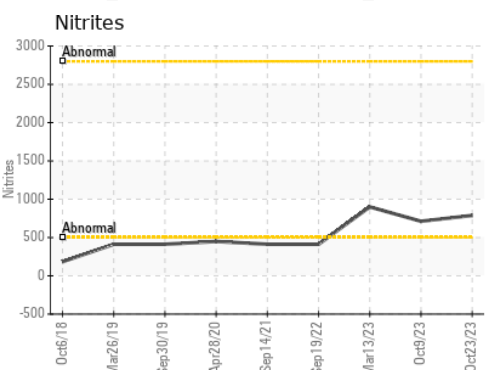
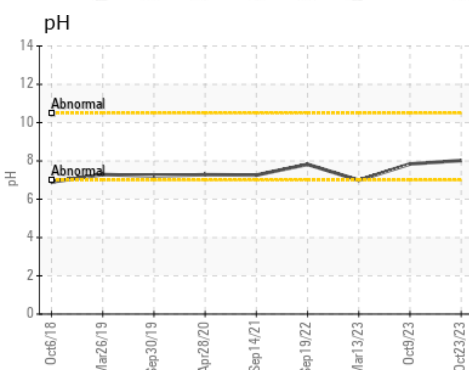
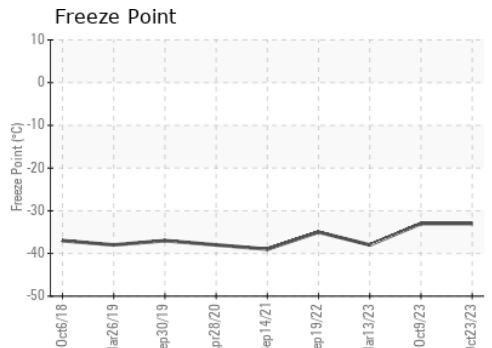
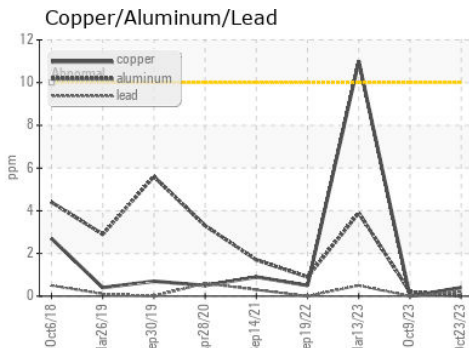
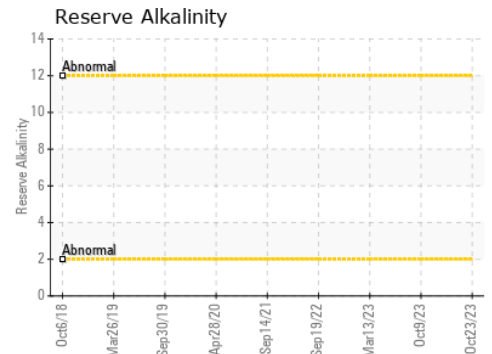
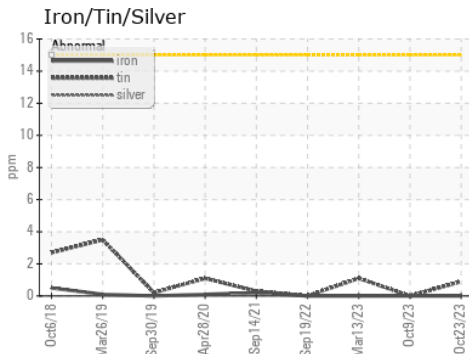


# COOLANT REPORT



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.** : WC0862621 **Received** : 31 Oct 2023  
**Lab Number** : 05994869 **Diagnosed** : 03 Nov 2023  
**Unique Number** : 10723229 **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)