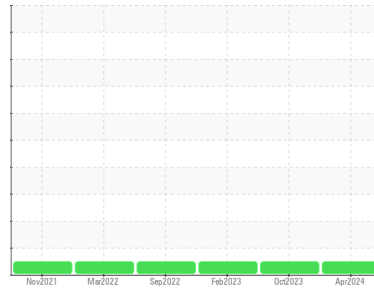




# COOLANT REPORT

Area  
**COLORADO/443/EG - LOADER**  
 Machine Id  
**45.56L [COLORADO^443^EG - LOADER]**  
 Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (ELC) (9 GAL)**

### Sample Rating Trend



**NORMAL**



### 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. 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>WC0883913</b>	WC0859574	WC0749924
Sample Date	Client Info			<b>02 Apr 2024</b>	02 Oct 2023	27 Feb 2023
Machine Age	hrs	Client Info		<b>3170</b>	2833	2282
Oil Age	hrs	Client Info		<b>3170</b>	2833	2282
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
Glycol Type	FT-IR			---	---	---
Specific Gravity	*ASTM D1298			<b>1.067</b>	1.067	1.067
pH	Scale 0-14	ASTM D1287		<b>7.51</b>	7.19	7.36
Nitrites	ppm	AP-053:2009		<b>524</b>	712	372
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		<b>49.4</b>	49.5	49.4
Freezing Point	°F	ASTM D3321		<b>-33</b>	-33	-33
Total Dissolved Solids				<b>286.0</b>	341.5	303.0
Carboxylate				<b>fail</b>	pass	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	<b>4</b>	<1	13
Phosphorus	ppm	ASTM D6130	0	<b>0</b>	4	0
Boron	ppm	ASTM D6130	0	<b>0</b>	5	4
Molybdenum	ppm	ASTM D6130	950	<b>479</b>	466	591

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	<b>0</b>	0	1
Aluminum	ppm	ASTM D6130	>10	<b>2</b>	0	2
Copper	ppm	ASTM D6130	>10	<b>5</b>	3	<1
Lead	ppm	ASTM D6130	>10	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D6130	>10	<b>&lt;1</b>	1	<1
Zinc	ppm	ASTM D6130		<b>25</b>	13	8

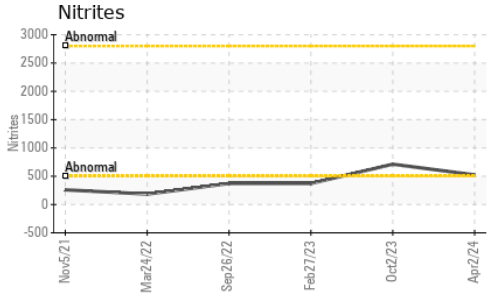
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		<b>13</b>	6	39

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		<b>3198</b>	3115	4383
Potassium	ppm	ASTM D6130		<b>672</b>	690	1303

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

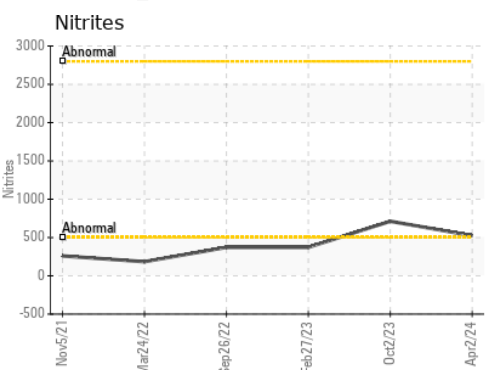
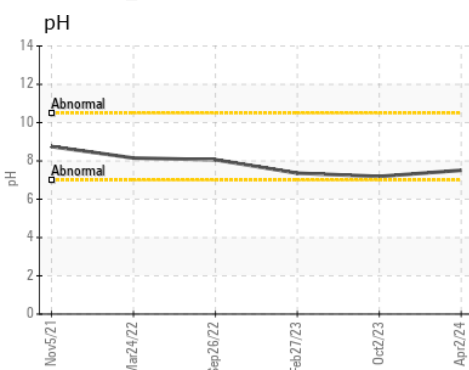
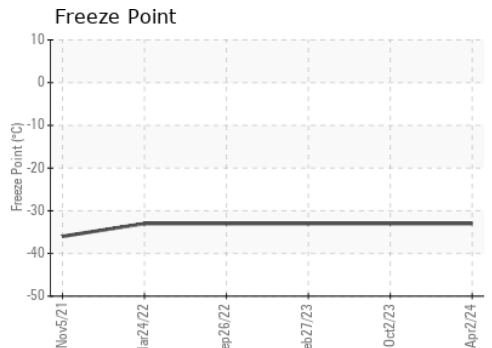
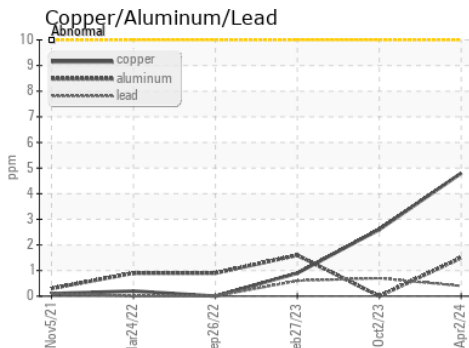
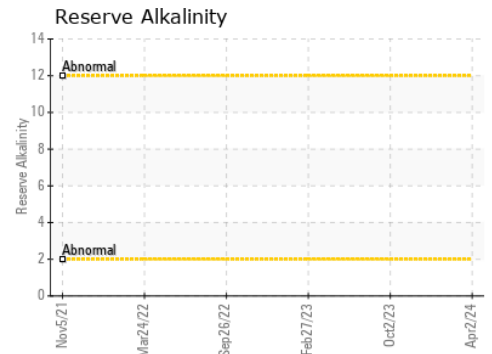
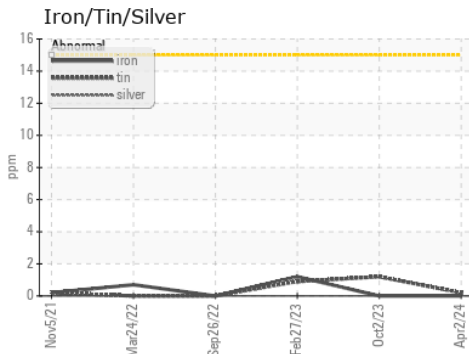


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0883913  
**Lab Number** : 06142679  
**Unique Number** : 10967487  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )  
**Received** : 08 Apr 2024  
**Tested** : 11 Apr 2024  
**Diagnosed** : 11 Apr 2024 - Jonathan Hester

**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)