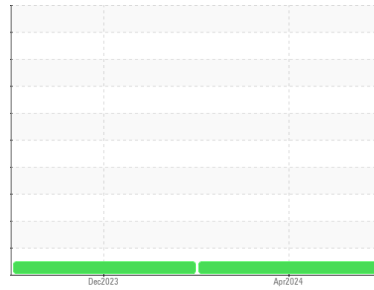




# COOLANT REPORT

Area  
**COLORADO/443**  
 Machine Id  
**20.024L [COLORADO^443]**  
 Component  
**Radiator Coolant**  
 Fluid  
**CATERPILLAR ELC (--- GAL)**

### Sample Rating Trend



**NORMAL**



### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service.

#### Wear

All metal levels are normal indicating no corrosion in the cooling system.

#### Contamination

There is no indication of any contamination in the coolant.

#### Fluid 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>WC0883903</b>	WC0859586	---
Sample Date	Client Info		<b>05 Apr 2024</b>	12 Dec 2023	---
Machine Age	hrs	Client Info	<b>497</b>	376	---
Oil Age	hrs	Client Info	<b>497</b>	376	---
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		<b>NEG</b>	NEG	---

### PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		<b>1.066</b>	1.067	---
pH	Scale 0-14 ASTM D1287		<b>7.88</b>	8.06	---
Nitrites	ppm AP-053:2009		<b>636</b>	748	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		<b>49.0</b>	49.3	---
Freezing Point	°F ASTM D3321		<b>-33</b>	-33	---
Total Dissolved Solids			<b>325.0</b>	414.5	---
Carboxylate			<b>fail</b>	fail	---

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<b>14</b>	11	---
Phosphorus	ppm ASTM D6130	0	<b>128</b>	133	---
Boron	ppm ASTM D6130	0	<b>0</b>	0	---
Molybdenum	ppm ASTM D6130	950	<b>568</b>	571	---

### CORROSION

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

### CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>25</b>	18	---

### CARRIER SALTS

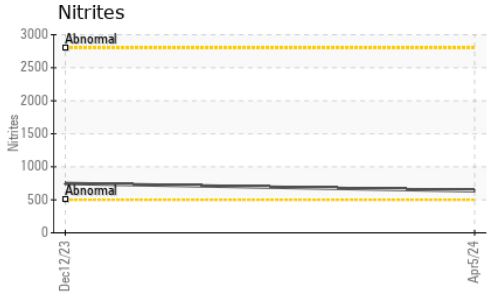
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>4197</b>	3867	---
Potassium	ppm ASTM D6130		<b>499</b>	570	---

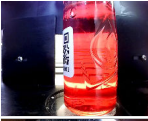


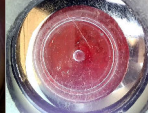
### SCALE POTENTIAL

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

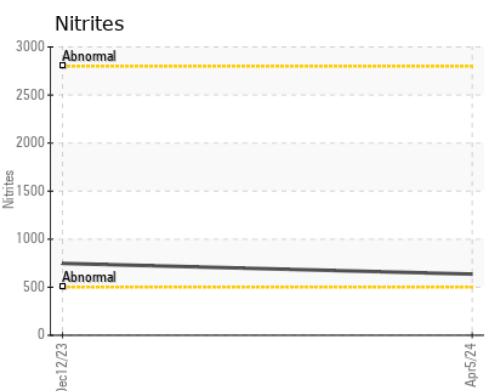
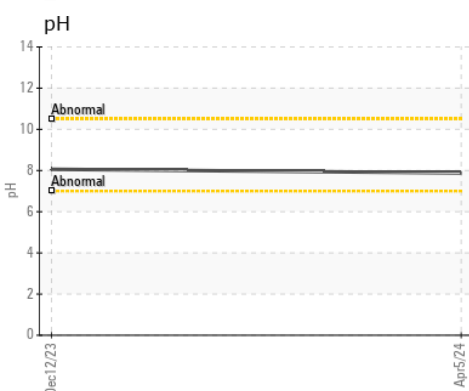
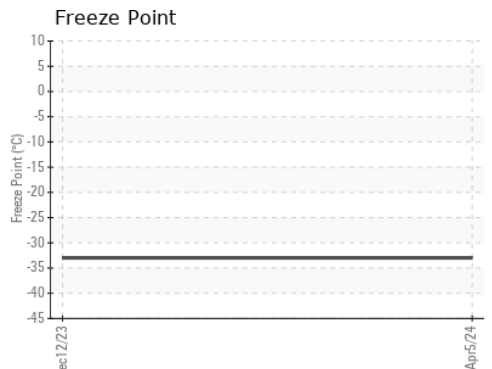
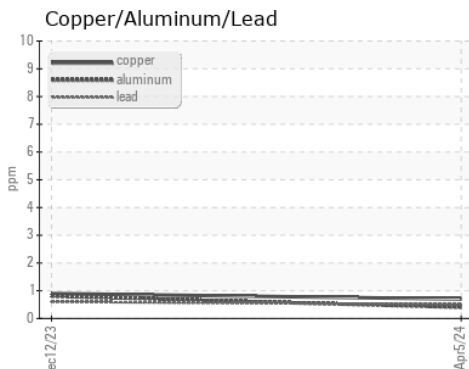
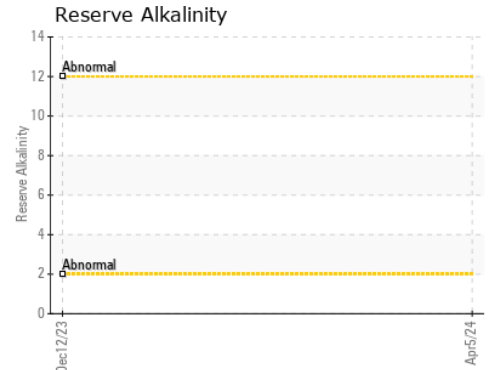
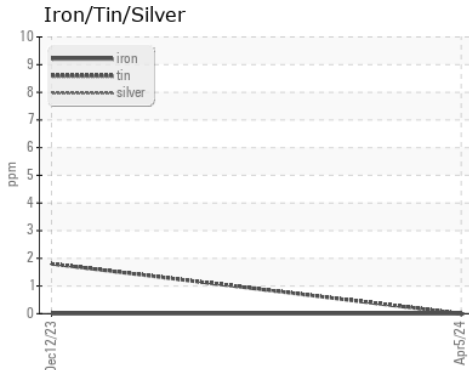


# COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		<b>Red</b>	Red	---
Coolant Appearance	*Visual	Clear	<b>normal</b>	normal	---
Color					no image
Bottom					no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0883903      **Received** : 13 May 2024  
**Lab Number** : **06177656**      **Tested** : 16 May 2024  
**Unique Number** : 11023709      **Diagnosed** : 16 May 2024 - Angela Borella  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: BILL ORCUTT  
 william.orcutt@wildcat.net

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)