



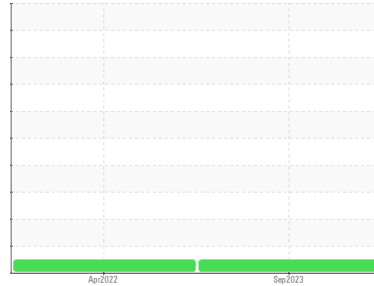
# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102**  
 Machine Id  
**69.104L [OKLAHOMA^102]**  
 Component  
**Coolant**  
 Fluid  
**CATERPILLAR ELC (24 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

The carboxylate level of this fluid is acceptable. The glycol level is 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>WC0848920</b>	WC0665205	---
Sample Date	Client Info	<b>14 Sep 2023</b>	06 Apr 2022	---
Machine Age	hrs	Client Info	<b>2388</b>	10
Oil Age	hrs	Client Info	<b>2388</b>	10
Oil Changed	Client Info	<b>Not Changed</b>	Not Changed	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	<b>1.069</b>	1.070	---
pH	Scale 0-14 ASTM D1287	<b>8.06</b>	8.44	---
Nitrites	ppm AP-053:2009	<b>824</b>	788	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121	<b>---</b>	---	---
Percentage Glycol	% ASTM D3321	<b>51.9</b>	52.2	---
Freezing Point	°F ASTM D3321	<b>-38</b>	-40	---
Total Dissolved Solids		<b>356.0</b>	373.5	---
Carboxylate		<b>pass</b>	fail	---

## CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<b>44</b>	15
Phosphorus	ppm ASTM D6130	0	<b>40</b>	57
Boron	ppm ASTM D6130	0	<b>9</b>	0
Molybdenum	ppm ASTM D6130	950	<b>1091</b>	1090

## CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	<b>7</b>	2
Aluminum	ppm ASTM D6130	>10	<b>1</b>	<1
Copper	ppm ASTM D6130	>10	<b>1</b>	<1
Lead	ppm ASTM D6130	>10	<b>&lt;1</b>	0
Tin	ppm ASTM D6130	>10	<b>&lt;1</b>	0
Zinc	ppm ASTM D6130		<b>2</b>	0

## CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		<b>17</b>	0

## CARRIER SALTS

method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		<b>5955</b>	2934
Potassium	ppm ASTM D6130		<b>260</b>	185


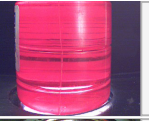


## SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		<b>3</b>	5
Magnesium	ppm ASTM D6130		<b>2</b>	2

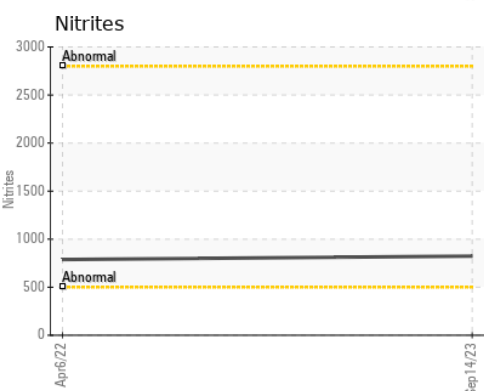
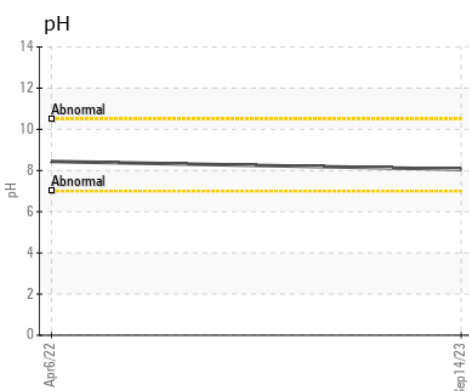
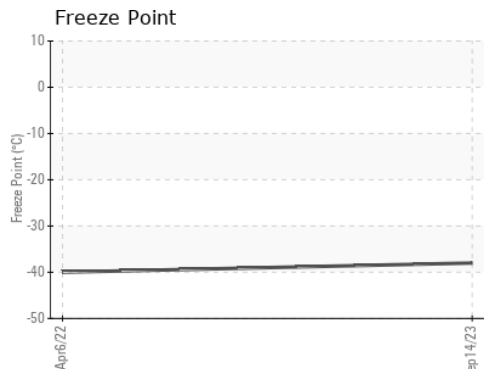
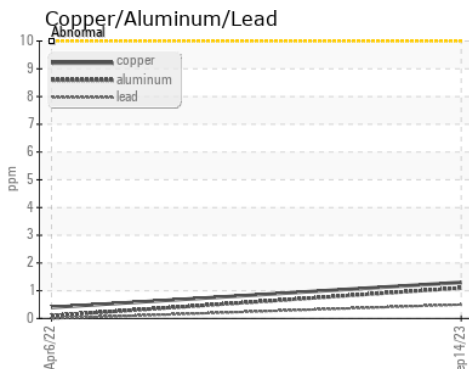
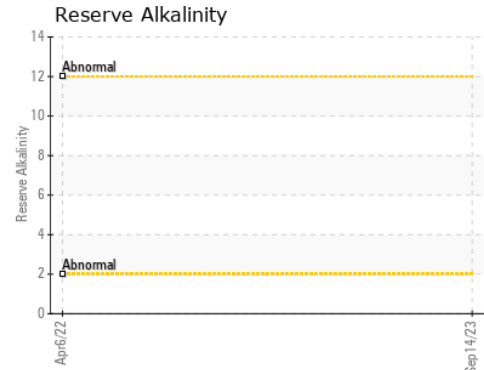
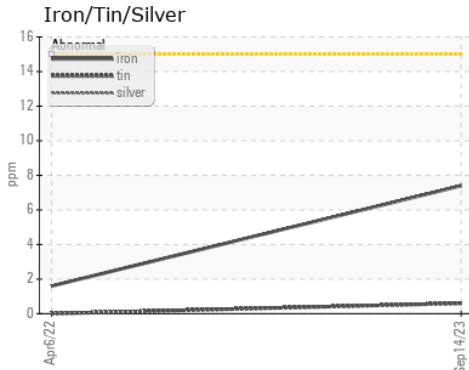


# COOLANT REPORT



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.** : WC0848920      **Received** : 22 Sep 2023  
**Lab Number** : 05958889      **Diagnosed** : 26 Sep 2023  
**Unique Number** : 10660102      **Diagnostician** : Jonathan Hester  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

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 doug.king@sherwood.net  
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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)