



# COOLANT REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>



Area  
**OKLAHOMA/102**  
Machine Id  
**45.63L [OKLAHOMA^102]**  
Component  
**Coolant**  
Fluid  
**CATERPILLAR ELC (9 GAL)**

## RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0886920</b>	WC0848883	WC0778313
Sample Date		Client Info		<b>22 Feb 2024</b>	09 Sep 2023	19 Apr 2023
Machine Age	hrs	Client Info		<b>1841</b>	1430	1151
Oil Age	hrs	Client Info		<b>500</b>	500	500
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## CORROSION

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

Iron	ppm	ASTM D6130	>15	<b>3</b>	<1	0
Aluminum	ppm	ASTM D6130	>10	<b>0</b>	<1	0
Copper	ppm	ASTM D6130	>10	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D6130	>10	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D6130	>10	<b>0</b>	<1	<1
Zinc	ppm	ASTM D6130	>10	<b>0</b>	2	<1

## CONTAMINANTS

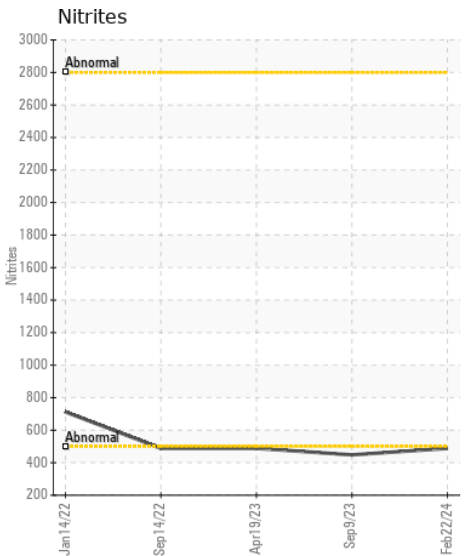
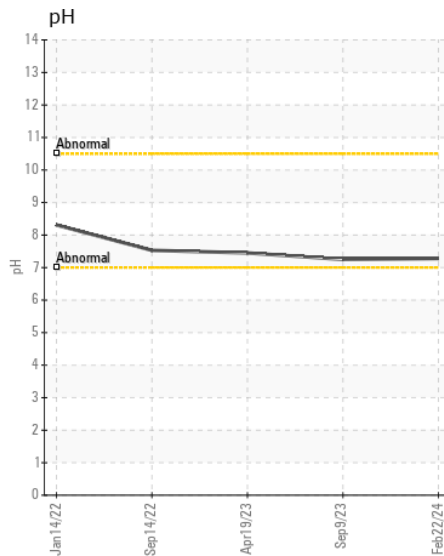
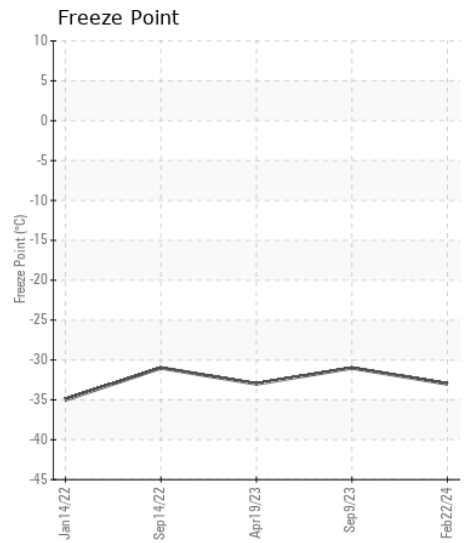
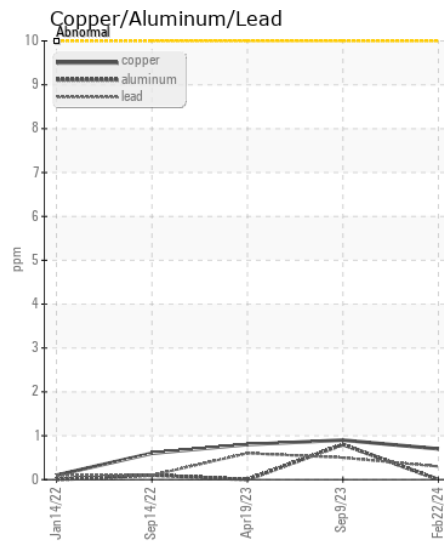
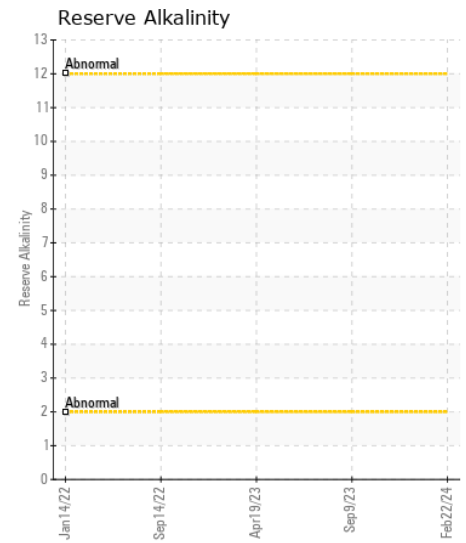
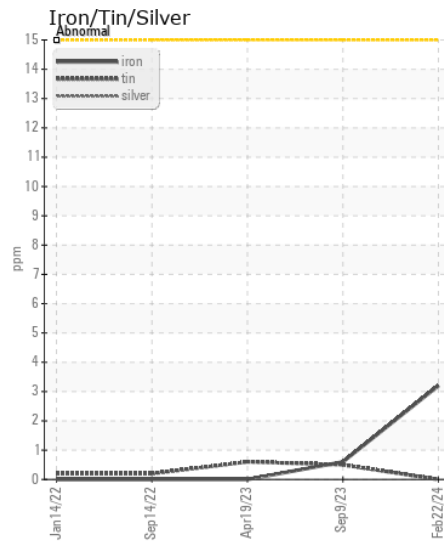
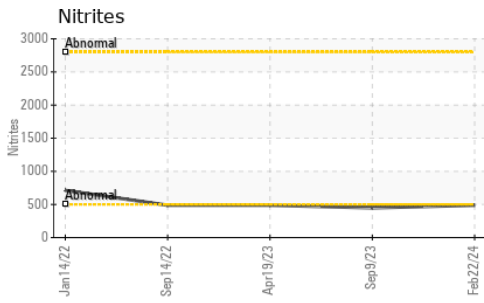
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		<b>0</b>	4	<1
Chlorine	ppm	ASTM D6130		<b>14</b>	20	50
Magnesium	ppm	ASTM D6130		<b>0</b>	<1	<1
Total Dissolved Solids				<b>324.0</b>	304.5	328.5
Coolant Appearance		*Visual	Clear	<b>normal</b>	normal	normal

## COOLANT CONDITION

Carboxylate test failed. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method		<b>225</b>	---	---
Specific Gravity		*ASTM D1298		<b>1.067</b>	1.065	1.066
pH	Scale 0-14	ASTM D1287		<b>7.28</b>	7.25	7.45
Nitrites	ppm	AP-053:2009		<b>488</b>	448	488
Reserve Alkalinity	Scale 0-20	*ASTM D1121		<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321		<b>49.3</b>	48.7	49.0
Freezing Point	°F	ASTM D3321		<b>-33</b>	-31	-33
Carboxylate				<b>fail</b>	fail	pass
Silicon	ppm	ASTM D6130	0	<b>16</b>	35	36
Phosphorus	ppm	ASTM D6130	0	<b>38</b>	90	136
Boron	ppm	ASTM D6130	0	<b>0</b>	8	0
Molybdenum	ppm	ASTM D6130	950	<b>552</b>	889	1200
Sodium	ppm	ASTM D6130		<b>3528</b>	5247	6328
Potassium	ppm	ASTM D6130		<b>631</b>	1058	1564
Coolant Color		*Visual		<b>Red</b>	Red	Red



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0886920  
**Lab Number** : 06121324  
**Unique Number** : 10930157  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**Received** : 18 Mar 2024  
**Tested** : 20 Mar 2024  
**Diagnosed** : 20 Mar 2024 - Jonathan Hester

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: SHAWN SOUTH  
 shawn.south@sherwood.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)

T: x:  
 F: x: