



# COOLANT REPORT

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

Area  
**KANSAS/44**  
 Machine Id  
**57.08L [KANSAS^44]**  
 Component  
**Coolant**  
 Fluid  
**CATERPILLAR ELC (--- GAL)**

## RECOMMENDATION

The fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0833788</b>	WC0673600	WC0697607
Sample Date		Client Info		<b>02 Oct 2023</b>	03 Oct 2022	24 May 2022
Machine Age	hrs	Client Info		<b>52</b>	345	6
Oil Age	hrs	Client Info		<b>0</b>	345	0
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
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>1</b>	0	0
Aluminum	ppm	ASTM D6130	>10	<b>4</b>	2	2
Copper	ppm	ASTM D6130	>10	<b>0</b>	<1	0
Lead	ppm	ASTM D6130	>10	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D6130	>10	<b>1</b>	<1	0
Zinc	ppm	ASTM D6130	>10	<b>0</b>	1	0

## CONTAMINANTS

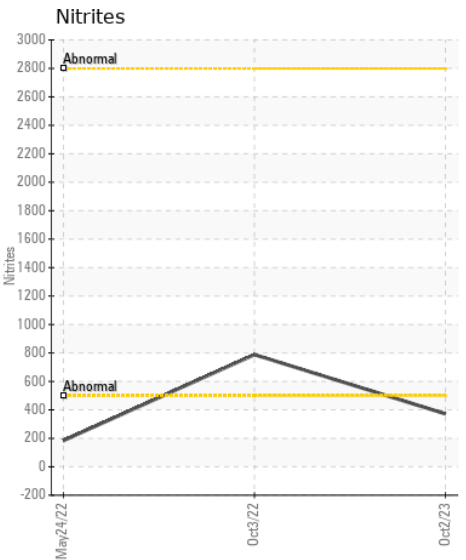
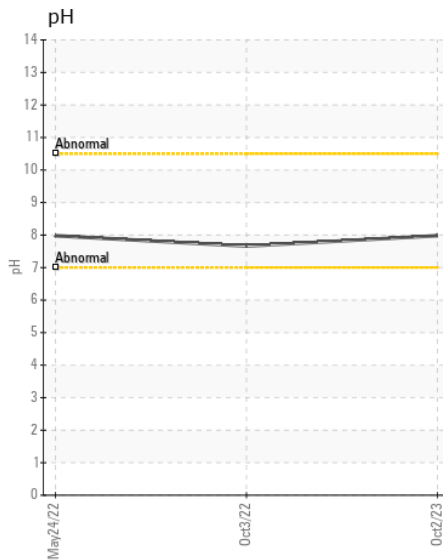
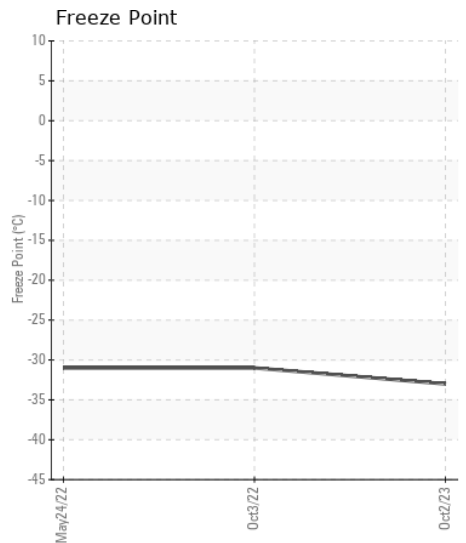
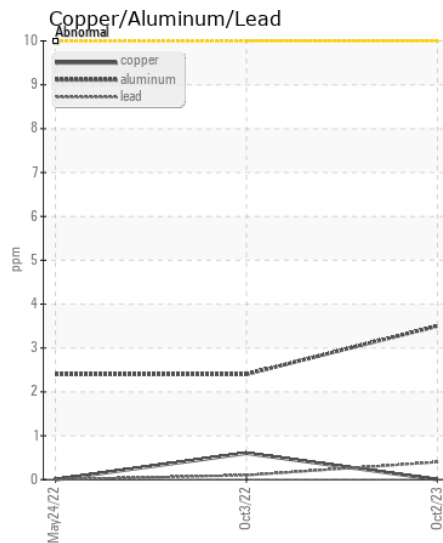
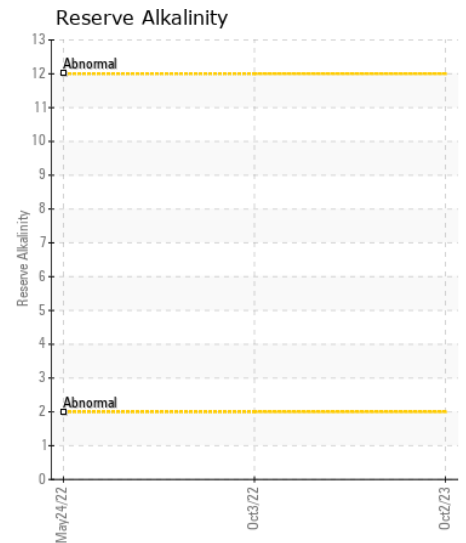
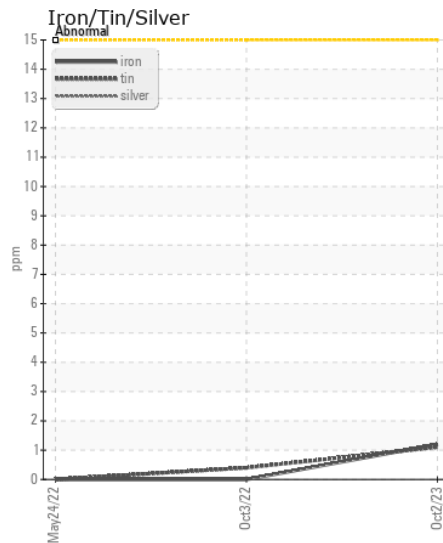
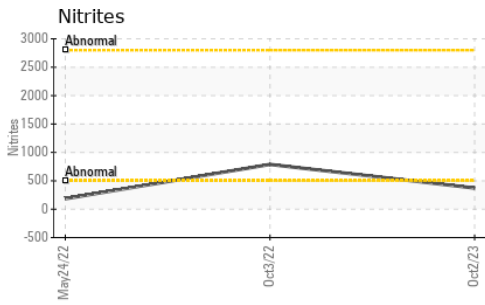
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		<b>&lt;1</b>	1	0
Chlorine	ppm	ASTM D6130		<b>8</b>	0	0
Magnesium	ppm	ASTM D6130		<b>&lt;1</b>	<1	0
Total Dissolved Solids				<b>377.5</b>	331.5	335.5
Coolant Appearance		*Visual	Clear	<b>normal</b>	normal	normal

## COOLANT CONDITION

Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

Specific Gravity		*ASTM D1298		<b>1.066</b>	1.066	1.066
pH	Scale 0-14	ASTM D1287		<b>7.98</b>	7.66	7.98
Nitrites	ppm	AP-053:2009		<b>372</b>	788	184
Reserve Alkalinity	Scale 0-20	*ASTM D1121		<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321		<b>49.1</b>	48.9	48.8
Freezing Point	°F	ASTM D3321		<b>-33</b>	-31	-31
Carboxylate				<b>fail</b>	pass	pass
Silicon	ppm	ASTM D6130	0	<b>2</b>	8	2
Phosphorus	ppm	ASTM D6130	0	<b>1</b>	0	0
Boron	ppm	ASTM D6130	0	<b>0</b>	1	0
Molybdenum	ppm	ASTM D6130	950	<b>0</b>	8	<1
Sodium	ppm	ASTM D6130		<b>31</b>	41	9
Potassium	ppm	ASTM D6130		<b>9323</b>	5000	3247
Coolant Color		*Visual		<b>Pink</b>	Red	Red



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0833788 **Received** : 09 Oct 2023  
**Lab Number** : 05973516 **Tested** : 12 Oct 2023  
**Unique Number** : 10685466 **Diagnosed** : 16 Oct 2023 - Angela Borella  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: RANDY ROBERTS  
 randy.roberts@sherwood.net  
 T: (316)943-6491  
 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)