



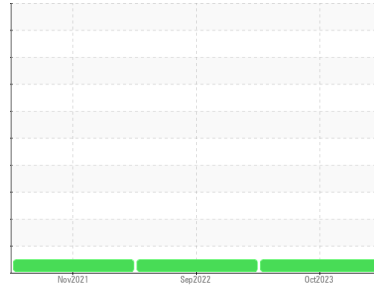
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
KANSAS/44
 Machine Id
46.103L [KANSAS^44]
 Component
Coolant
 Fluid
CATERPILLAR ELC (8 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

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		WC0862623	WC0712315	WC0640026
Sample Date	Client Info		23 Oct 2023	19 Sep 2022	23 Nov 2021
Machine Age	hrs	Client Info	11071	11071	10822
Oil Age	hrs	Client Info	11317	11071	0
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.055	1.054	---
pH	Scale 0-14 ASTM D1287		8.95	9.34	9.66
Nitrites	ppm AP-053:2009		560	260	112
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		40.3	39.8	39
Freezing Point	°F ASTM D3321		-13	-11	-14
Total Dissolved Solids			363.5	407.0	430.0
Carboxylate			fail	pass	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	8	25	24
Phosphorus	ppm ASTM D6130	0	6	38	3
Boron	ppm ASTM D6130	0	17	30	26
Molybdenum	ppm ASTM D6130	950	444	691	773

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	<1	<1	<1
Aluminum	ppm ASTM D6130	>10	0	6	8
Copper	ppm ASTM D6130	>10	<1	<1	<1
Lead	ppm ASTM D6130	>10	<1	0	0
Tin	ppm ASTM D6130	>10	<1	0	0
Zinc	ppm ASTM D6130		<1	0	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		53	97	99

CARRIER SALTS

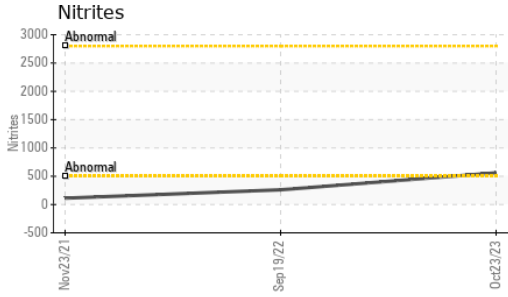
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		1341	1190	994
Potassium	ppm ASTM D6130		6137	3624	4640

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		2	1	1
Magnesium	ppm ASTM D6130		<1	0	<1

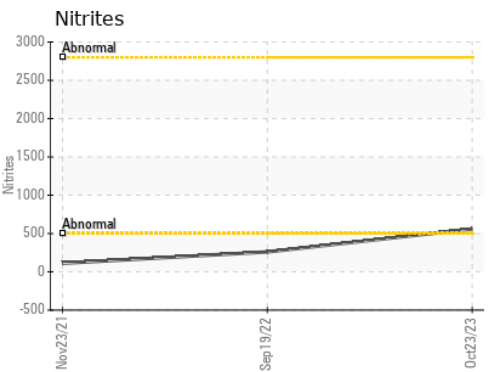
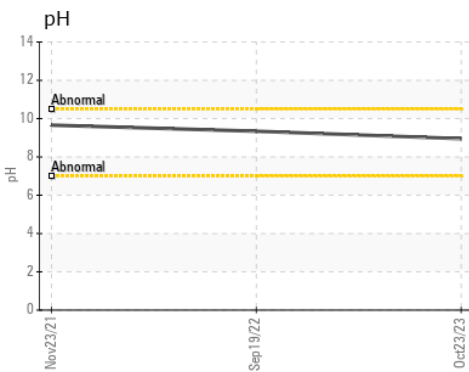
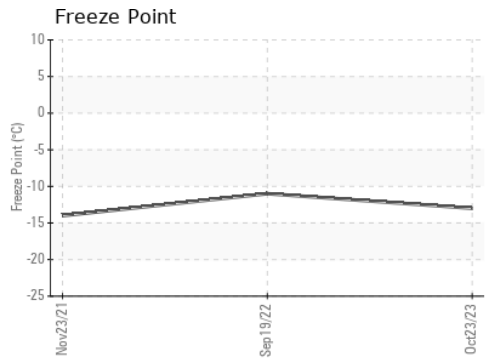
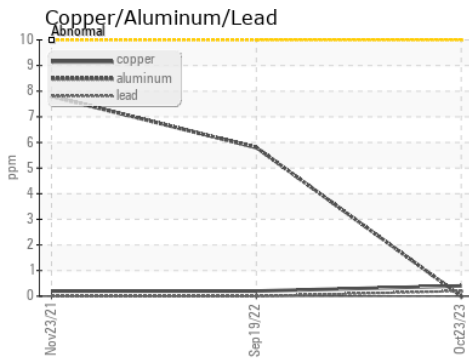
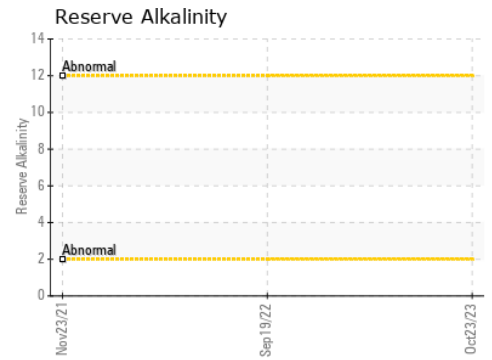
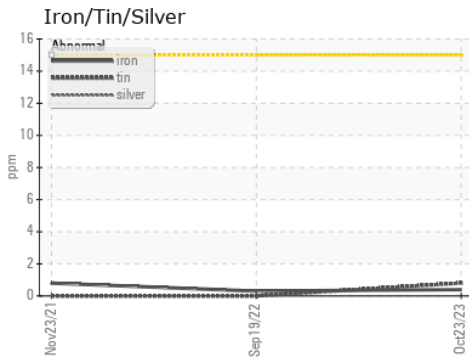


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0862623 **Received** : 31 Oct 2023
Lab Number : 05994870 **Diagnosed** : 03 Nov 2023
Unique Number : 10723230 **Diagnostician** : Jonathan Hester
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)