



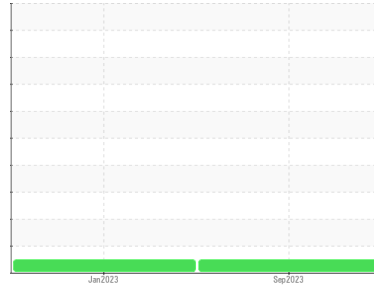
COOLANT REPORT

Sample Rating Trend

NORMAL



Machine Id
45.64L []
Component
Coolant
Fluid
CATERPILLAR ELC (--- GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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

Carboxylate test failed. 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		WC0834139	WC0741852	---
Sample Date	Client Info		18 Sep 2023	05 Jan 2023	---
Machine Age	hrs	Client Info	563	7	---
Oil Age	hrs	Client Info	563	7	---
Oil Changed	Client Info		Not Changed	Not Changed	---
Sample Status			NORMAL	NORMAL	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.066	1.067	---
pH	Scale 0-14	ASTM D1287	7.68	8.45	---
Nitrites	ppm	AP-053:2009	524	712	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	49.1	49.2	---
Freezing Point	°F	ASTM D3321	-33	-33	---
Total Dissolved Solids			370.5	416.5	---
Carboxylate			fail	fail	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	29	42
Phosphorus	ppm	ASTM D6130	0	24	165
Boron	ppm	ASTM D6130	0	<1	8
Molybdenum	ppm	ASTM D6130	950	878	1050

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		5	18

CARRIER SALTS

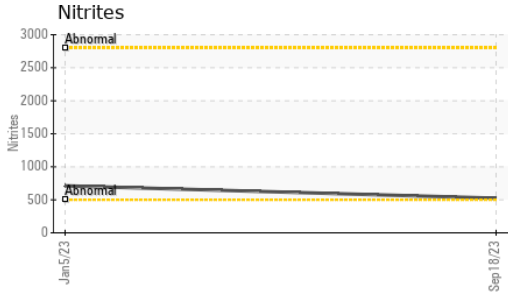
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		5352	6191
Potassium	ppm	ASTM D6130		846	810

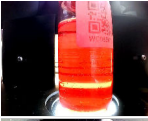



SCALE POTENTIAL

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

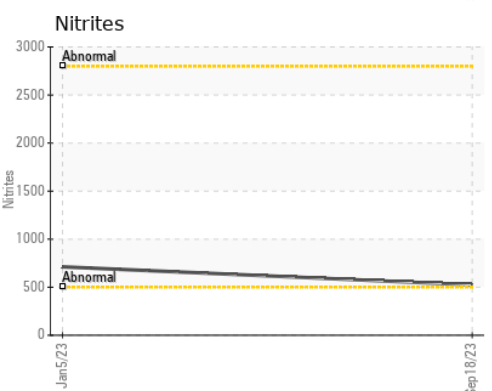
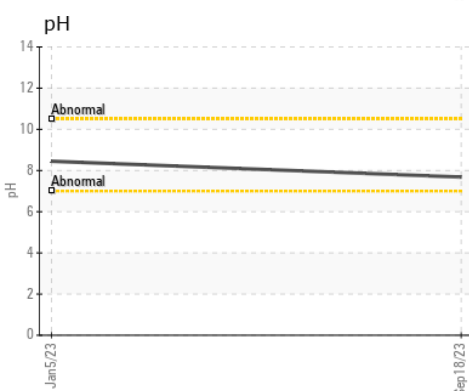
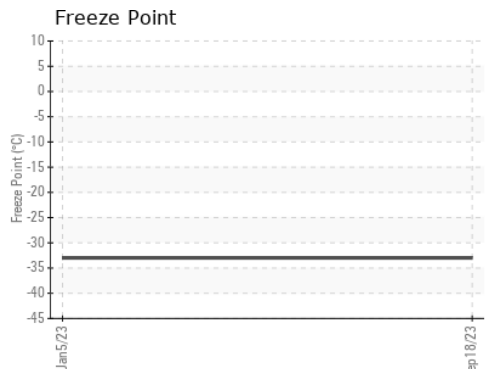
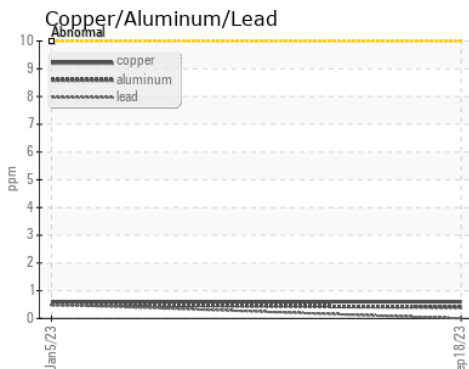
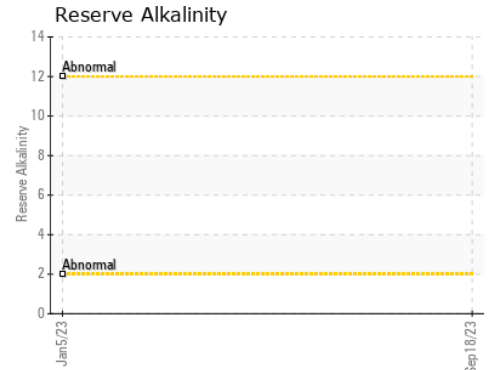
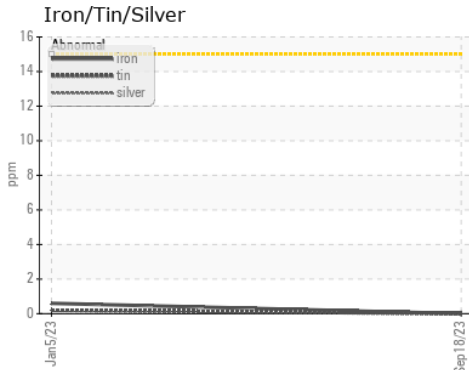


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0834139 **Received** : 25 Sep 2023
Lab Number : 05960268 **Diagnosed** : 27 Sep 2023
Unique Number : 10661481 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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: