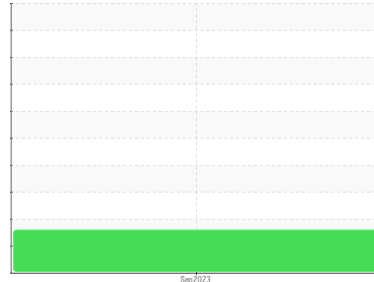




COOLANT REPORT

Area
KANSAS/88
Machine Id
57.11L [KANSAS^88]
Component
Coolant
Fluid
CATERPILLAR ELC (--- GAL)

Sample Rating Trend



APPEARANCE



DIAGNOSIS

▲ Recommendation

We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations.

▲ Corrosion

The iron level is abnormal.

▲ Contaminants

Sediment present.

Coolant Condition

Carboxylate test failed. 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		WC0673519	---	---
Sample Date	Client Info		28 Sep 2023	---	---
Machine Age	hrs	Client Info	32807	---	---
Oil Age	hrs	Client Info	32807	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			ABNORMAL	---	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.065	---	---
pH	Scale 0-14 ASTM D1287		8.03	---	---
Nitrites	ppm AP-053:2009		788	---	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		48.2	---	---
Freezing Point	°F ASTM D3321		-31	---	---
Total Dissolved Solids			360.5	---	---
Carboxylate			fail	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	3	---	---
Phosphorus	ppm ASTM D6130	0	<1	---	---
Boron	ppm ASTM D6130	0	6	---	---
Molybdenum	ppm ASTM D6130	950	420	---	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	▲ 15	---	---
Aluminum	ppm ASTM D6130	>10	2	---	---
Copper	ppm ASTM D6130	>10	2	---	---
Lead	ppm ASTM D6130	>10	<1	---	---
Tin	ppm ASTM D6130	>10	1	---	---
Zinc	ppm ASTM D6130		1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		11	---	---

CARRIER SALTS

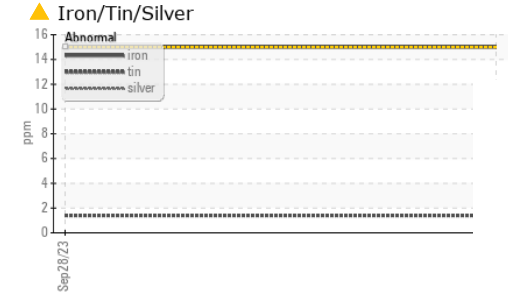
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		2486	---	---
Potassium	ppm ASTM D6130		2758	---	---



SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		4	---	---
Magnesium	ppm ASTM D6130		5	---	---

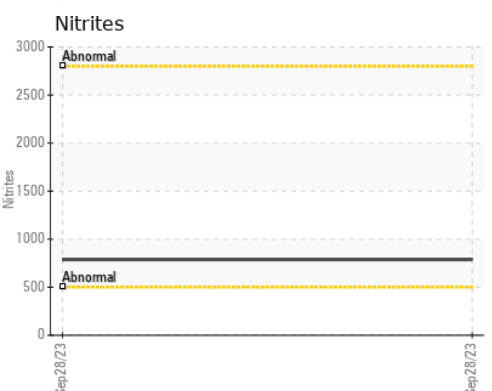
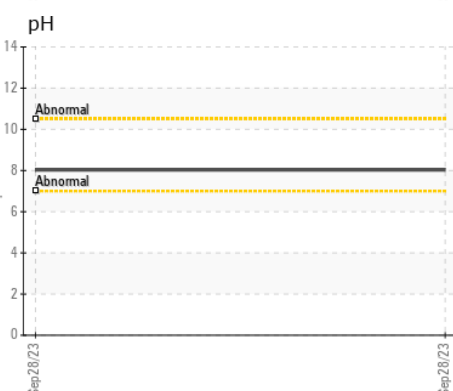
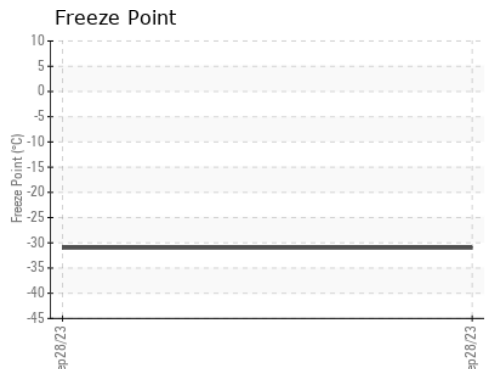
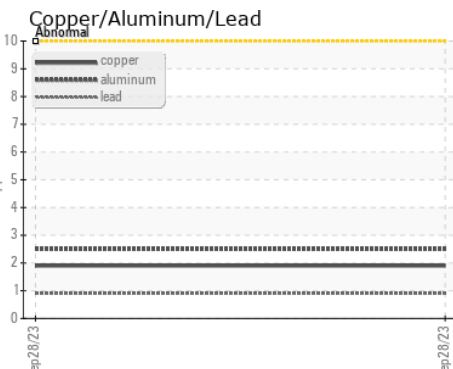
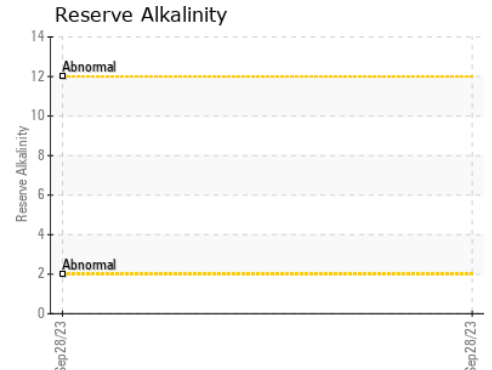
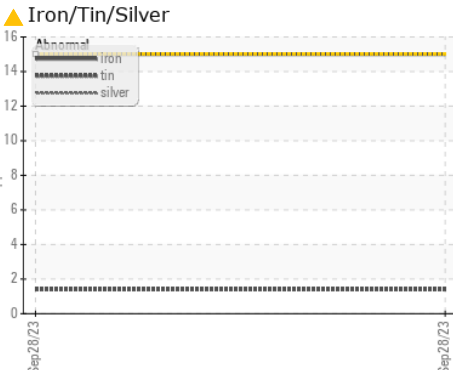


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0673519 **Received** : 04 Oct 2023
Lab Number : 05969429 **Diagnosed** : 11 Oct 2023
Unique Number : 10675980 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: DOUG KING
 doug.king@sherwood.net
 T: (316)617-3161
 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)