



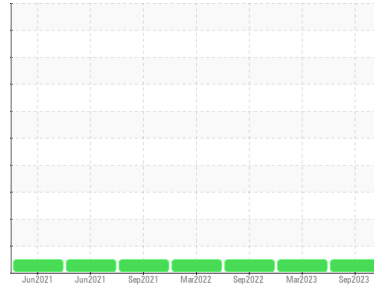
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
OKLAHOMA/102
 Machine Id
45.59L [OKLAHOMA^102]
 Component
Coolant
 Fluid
CATERPILLAR ELC (9 GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service. (Customer Sample Comment: 4299 hrs)

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		WC0820000	WC0746822	WC0649348
Sample Date	Client Info		18 Sep 2023	13 Mar 2023	13 Sep 2022
Machine Age	hrs	Client Info	4299	3509	3276
Oil Age	hrs	Client Info	1745	1745	3276
Oil Changed		Client Info	N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.067	1.067	1.068
pH	Scale 0-14	ASTM D1287	6.97	7.10	7.24
Nitrites	ppm	AP-053:2009	72	600	184
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	49.9	50.0	50.5
Freezing Point	°F	ASTM D3321	-33	-35	-35
Total Dissolved Solids			374.0	356.5	368.5
Carboxylate			fail	pass	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	25	50	25
Phosphorus	ppm	ASTM D6130	0	0	18	0
Boron	ppm	ASTM D6130	0	0	0	0
Molybdenum	ppm	ASTM D6130	950	832	1098	1084

CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	0	0	0
Aluminum	ppm	ASTM D6130	>10	<1	<1	0
Copper	ppm	ASTM D6130	>10	1	3	<1
Lead	ppm	ASTM D6130	>10	0	<1	0
Tin	ppm	ASTM D6130	>10	0	<1	0
Zinc	ppm	ASTM D6130		27	8	0

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		12	23	2

CARRIER SALTS

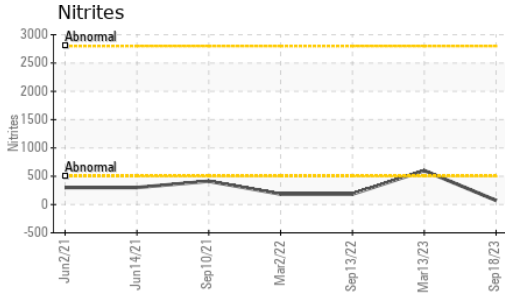
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		5341	6413	3196
Potassium	ppm	ASTM D6130		934	1408	48







SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		4	3	3
Magnesium	ppm	ASTM D6130		0	0	<1

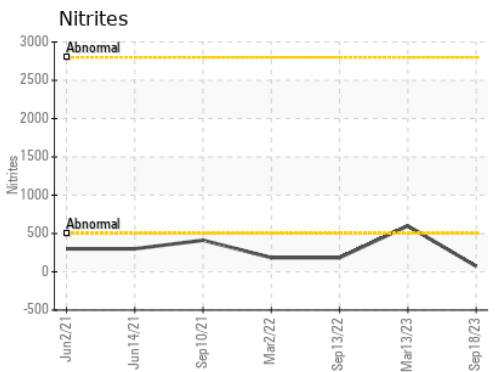
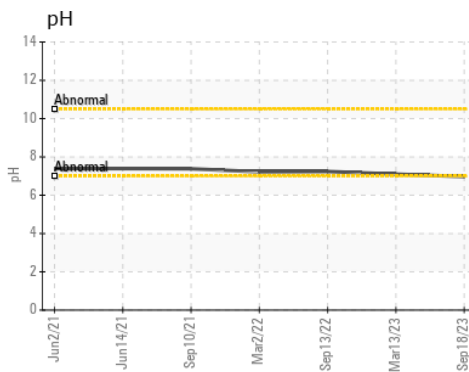
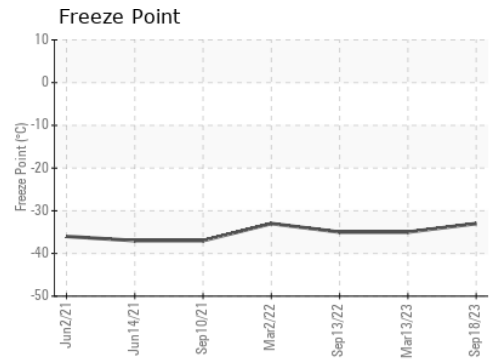
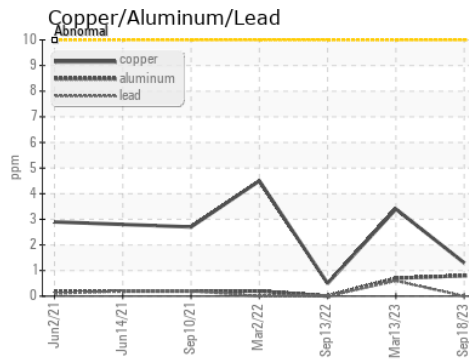
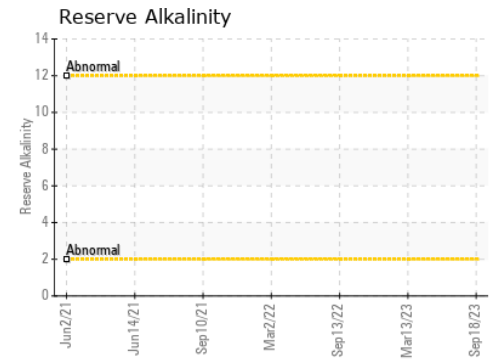
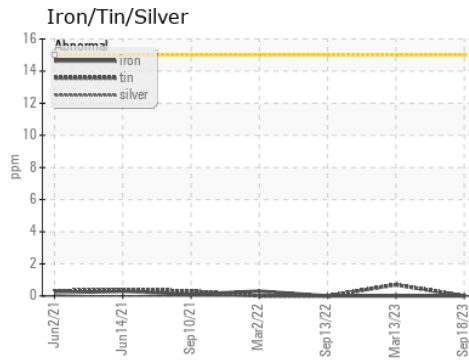


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0820000 Received : 25 Sep 2023
 Lab Number : 05960296 Diagnosed : 28 Sep 2023
 Unique Number : 10661509 Diagnostician : Doug Bogart
 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

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)

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F: