



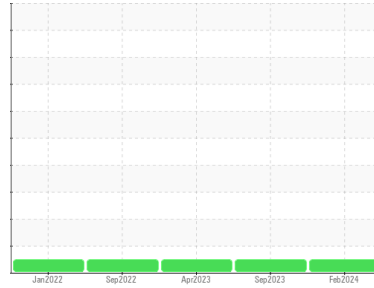
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
OKLAHOMA/102
 Machine Id
45.63L [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.

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		WC0886920	WC0848883	WC0778313
Sample Date	Client Info		22 Feb 2024	09 Sep 2023	19 Apr 2023
Machine Age	hrs	Client Info	1841	1430	1151
Oil Age	hrs	Client Info	500	500	500
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.067	1.065	1.066
pH	Scale 0-14	ASTM D1287	7.28	7.25	7.45
Nitrites	ppm	AP-053:2009	488	448	488
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	49.3	48.7	49.0
Freezing Point	°F	ASTM D3321	-33	-31	-33
Total Dissolved Solids			324.0	304.5	328.5
Carboxylate			fail	fail	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	16	35	36
Phosphorus	ppm	ASTM D6130	0	38	90	136
Boron	ppm	ASTM D6130	0	0	8	0
Molybdenum	ppm	ASTM D6130	950	552	889	1200

CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	3	<1	0
Aluminum	ppm	ASTM D6130	>10	0	<1	0
Copper	ppm	ASTM D6130	>10	<1	<1	<1
Lead	ppm	ASTM D6130	>10	<1	<1	<1
Tin	ppm	ASTM D6130	>10	0	<1	<1
Zinc	ppm	ASTM D6130		0	2	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		14	20	50

CARRIER SALTS

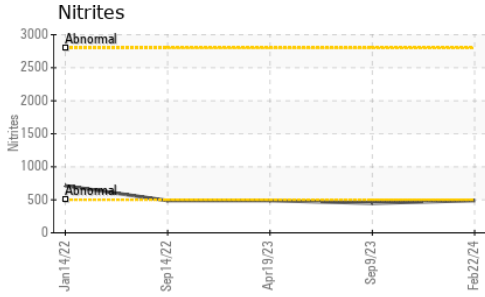
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		3528	5247	6328
Potassium	ppm	ASTM D6130		631	1058	1564

SCALE POTENTIAL

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

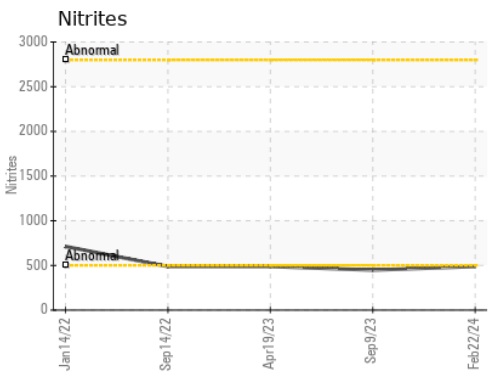
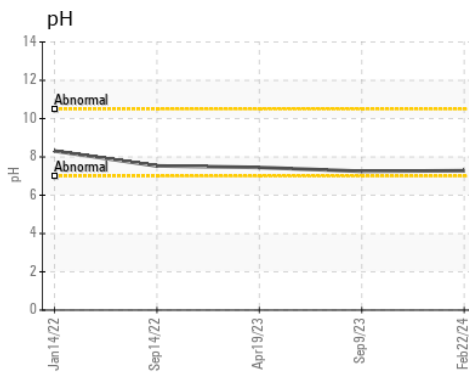
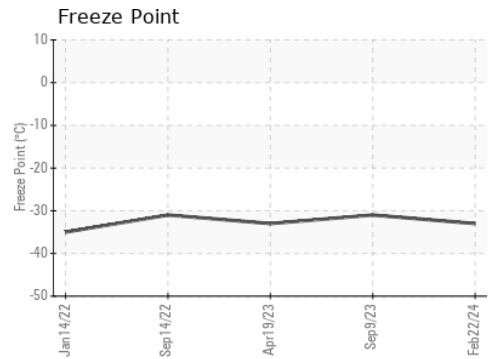
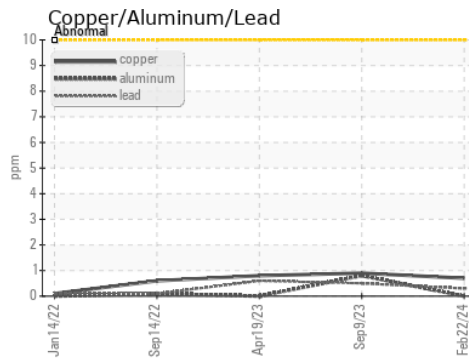
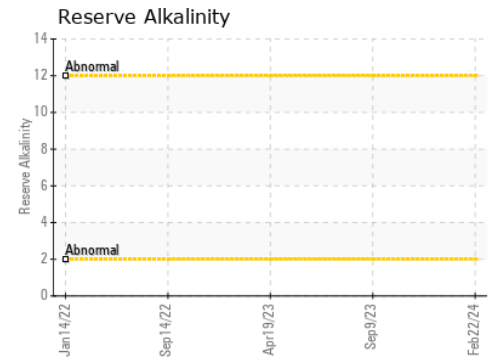
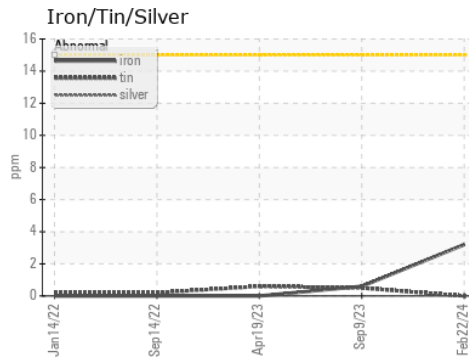


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0886920
Lab Number : 06121324
Unique Number : 10930157
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, 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: