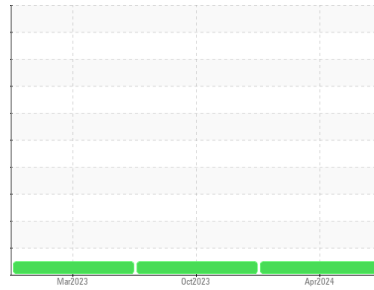




COOLANT REPORT

Area
COLORADO/443/{UNASSIGNED}
 Machine Id
35.106L [COLORADO^443^UNASSIGNED]
 Component
Coolant
 Fluid
CATERPILLAR ELC (--- GAL)

Sample Rating Trend



NORMAL



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. 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			WC0883936	WC0859538	WC0766246
Sample Date	Client Info			03 Apr 2024	17 Oct 2023	28 Mar 2023
Machine Age	hrs	Client Info		3074	2613	1797
Oil Age	hrs	Client Info		3074	2613	1797
Oil Changed	Client Info			Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			---	---	---
Specific Gravity	*ASTM D1298			1.069	1.068	1.067
pH	Scale 0-14	ASTM D1287		7.33	7.33	7.25
Nitrites	ppm	AP-053:2009		524	560	300
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		51.2	50.8	50.0
Freezing Point	°F	ASTM D3321		-38	-35	-35
Total Dissolved Solids				363.5	352.0	412.0
Carboxylate				fail	fail	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	49	61	91
Phosphorus	ppm	ASTM D6130	0	116	146	347
Boron	ppm	ASTM D6130	0	0	9	8
Molybdenum	ppm	ASTM D6130	950	638	610	1052

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	0	<1	<1
Aluminum	ppm	ASTM D6130	>10	1	<1	0
Copper	ppm	ASTM D6130	>10	6	6	6
Lead	ppm	ASTM D6130	>10	<1	1	<1
Tin	ppm	ASTM D6130	>10	<1	1	0
Zinc	ppm	ASTM D6130		0	2	0

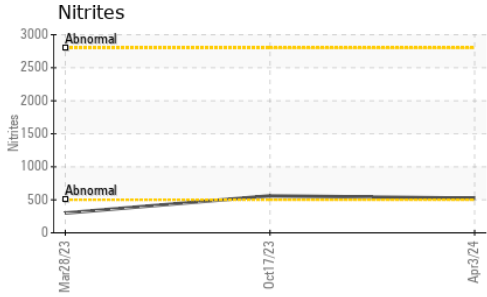
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		21	14	37

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		3788	3442	5576
Potassium	ppm	ASTM D6130		1275	1196	2349

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

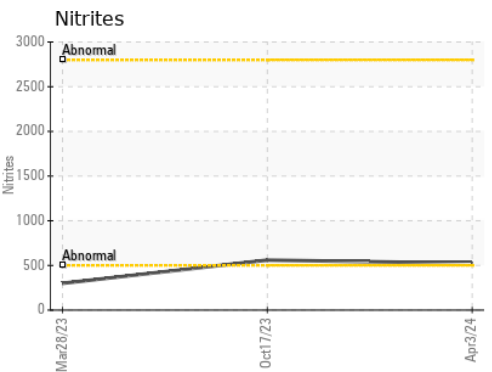
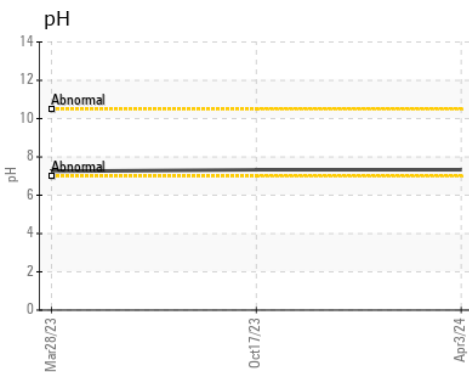
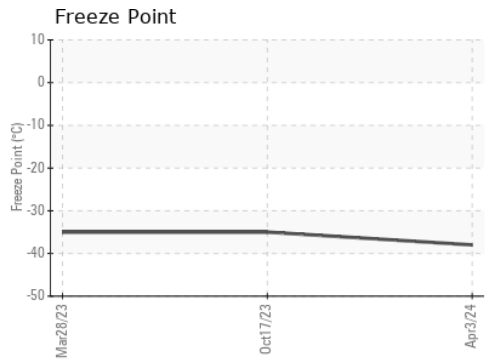
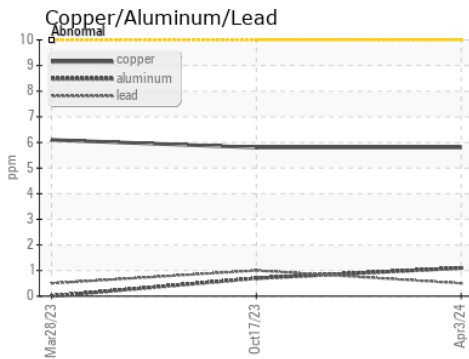
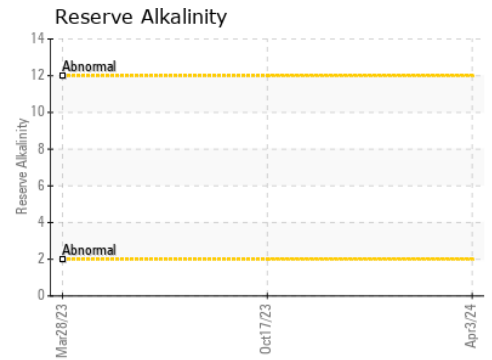
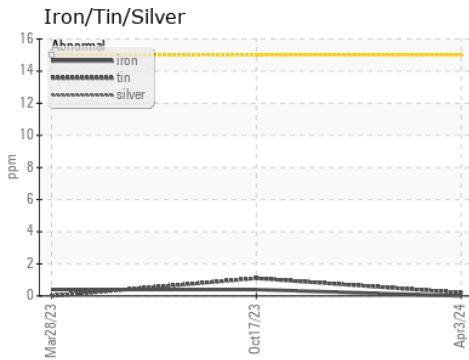


COOLANT REPORT



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. : WC0883936 **Received** : 08 Apr 2024
Lab Number : 06142676 **Tested** : 11 Apr 2024
Unique Number : 10967484 **Diagnosed** : 11 Apr 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: BILL ORCUTT
 william.orcutt@wildcat.net
 T: (719)499-6303
 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)