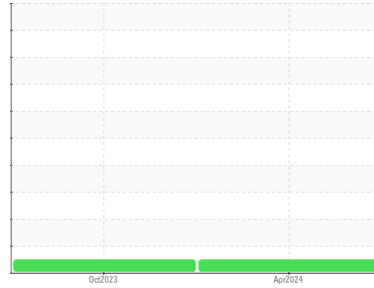




COOLANT REPORT

Area
COLORADO/443
 Machine Id
45.67L [COLORADO^443]
 Component
Radiator Coolant
 Fluid
CATERPILLAR ELC (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

The fluid is suitable for further service.

Wear

All metal levels are normal indicating no corrosion in the cooling system.

Contamination

There is no indication of any contamination in the coolant.

Fluid Condition

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		WC0883906	WC0859701	---
Sample Date	Client Info		03 Apr 2024	26 Oct 2023	---
Machine Age	hrs	Client Info	540	200	---
Oil Age	hrs	Client Info	540	200	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method		NEG	NEG	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.066	1.065	---
pH	Scale 0-14	ASTM D1287	7.74	7.85	---
Nitrites	ppm	AP-053:2009	712	524	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	49.0	48.7	---
Freezing Point	°F	ASTM D3321	-33	-31	---
Total Dissolved Solids			358.0	410.5	---
Carboxylate			fail	fail	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	9	9
Phosphorus	ppm	ASTM D6130	0	33	108
Boron	ppm	ASTM D6130	0	0	0
Molybdenum	ppm	ASTM D6130	950	544	546

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		13	0

CARRIER SALTS

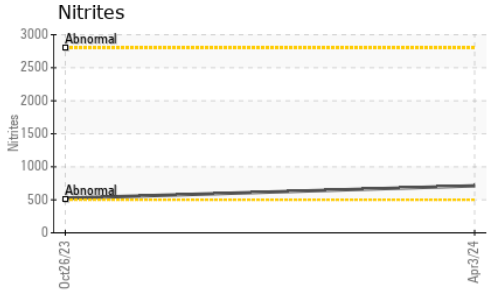
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		3713	3229
Potassium	ppm	ASTM D6130		461	572





SCALE POTENTIAL

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

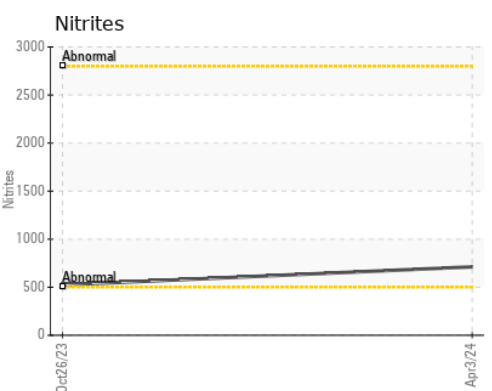
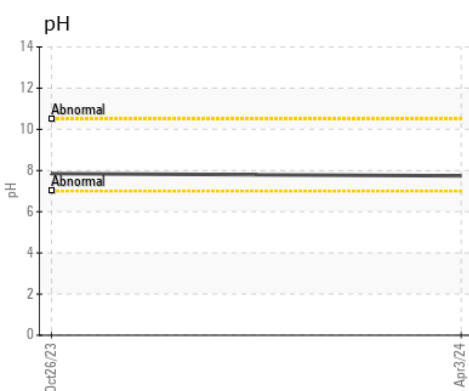
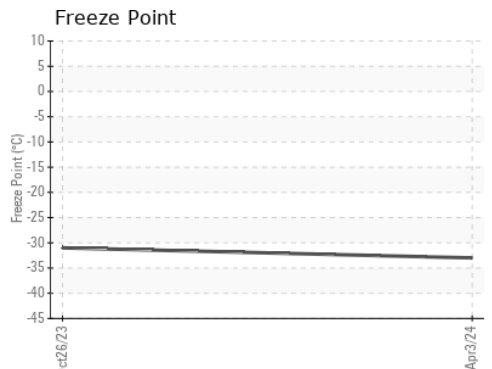
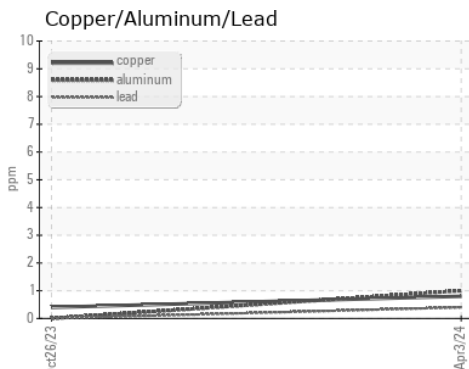
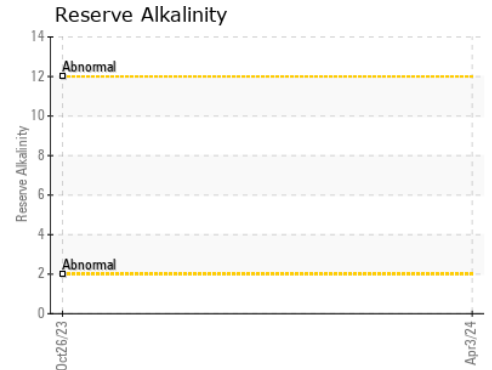
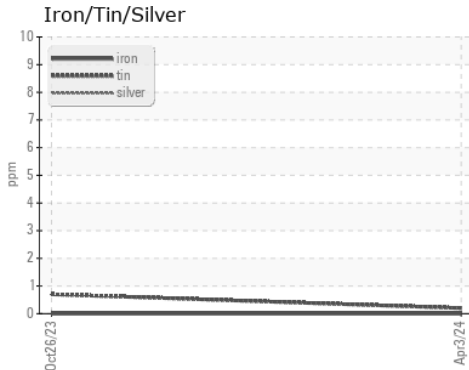


COOLANT REPORT



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. : WC0883906 **Received** : 08 Apr 2024
Lab Number : **06142664** **Tested** : 11 Apr 2024
Unique Number : 10967472 **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

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)