



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL



Area
OKLAHOMA/102
Machine Id
69.105L [OKLAHOMA^102]
Component
Coolant
Fluid
CATERPILLAR ELC (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0935205	WC0819896	WC0848916
Sample Date		Client Info		26 Apr 2024	09 Nov 2023	14 Sep 2023
Machine Age	hrs	Client Info		3028	2766	2603
Oil Age	hrs	Client Info		3028	2766	2603
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

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

Iron	ppm	ASTM D6130	>15	0	0	<1
Aluminum	ppm	ASTM D6130	>10	<1	0	<1
Copper	ppm	ASTM D6130	>10	1	2	2
Lead	ppm	ASTM D6130	>10	<1	<1	<1
Tin	ppm	ASTM D6130	>10	0	1	<1
Zinc	ppm	ASTM D6130	>10	0	<1	<1

CONTAMINANTS

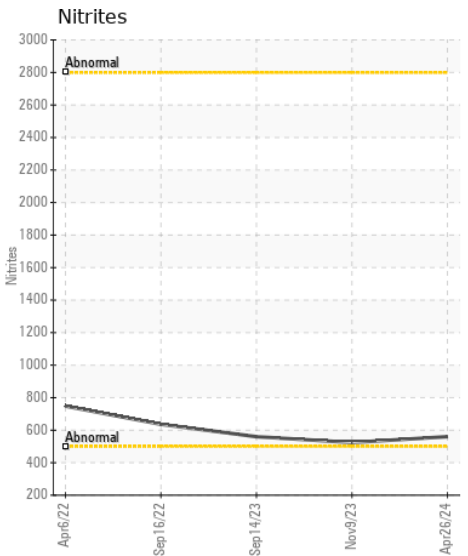
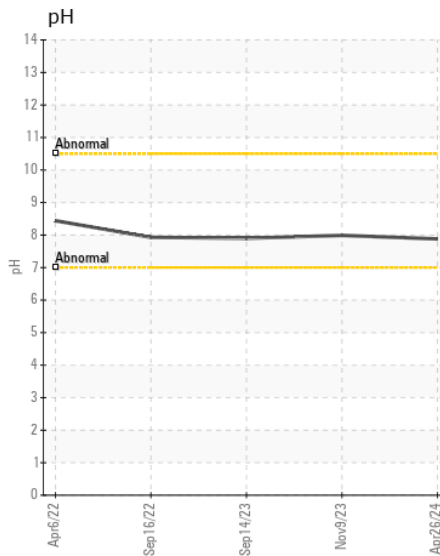
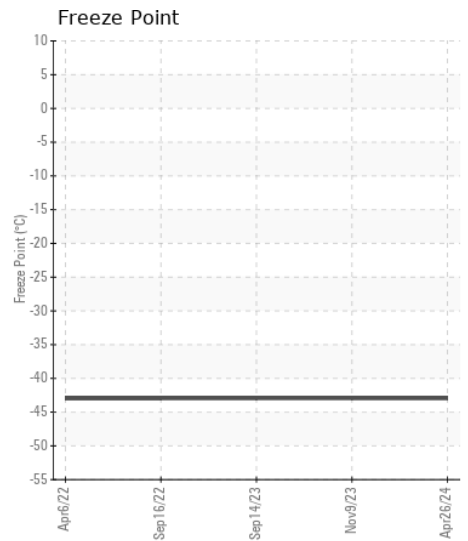
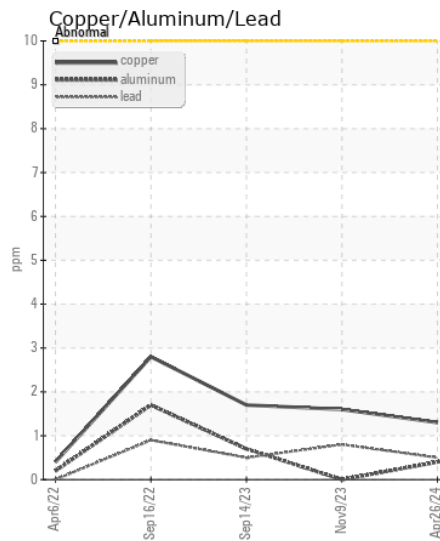
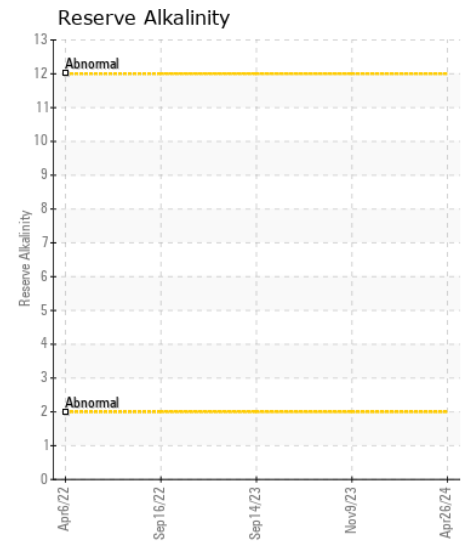
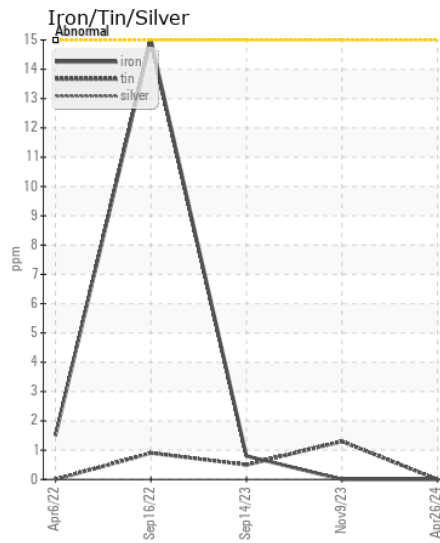
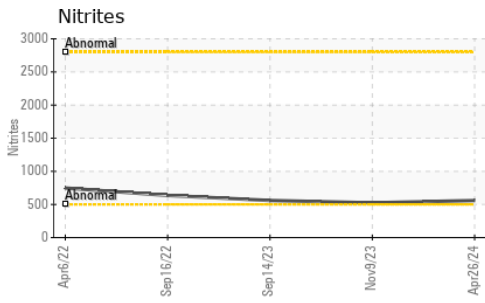
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		0	2	2
Chlorine	ppm	ASTM D6130		11	12	17
Magnesium	ppm	ASTM D6130		<1	2	1
Total Dissolved Solids				346.0	384.0	350.0
Coolant Appearance		*Visual	Clear	normal	normal	normal

COOLANT CONDITION

Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method		226	---	---
Specific Gravity		*ASTM D1298		1.071	1.072	1.072
pH	Scale 0-14	ASTM D1287		7.88	7.99	7.90
Nitrites	ppm	AP-053:2009		560	524	560
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		53.3	53.7	53.5
Freezing Point	°F	ASTM D3321		-43	-43	-43
Carboxylate				fail	pass	pass
Silicon	ppm	ASTM D6130	0	22	23	54
Phosphorus	ppm	ASTM D6130	0	28	33	44
Boron	ppm	ASTM D6130	0	0	0	8
Molybdenum	ppm	ASTM D6130	950	706	719	1093
Sodium	ppm	ASTM D6130		4347	3794	5859
Potassium	ppm	ASTM D6130		161	208	363
Coolant Color		*Visual		Red	Red	Red



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0935205 **Received** : 10 May 2024
Lab Number : 06176003 **Tested** : 16 May 2024
Unique Number : 11022056 **Diagnosed** : 16 May 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: 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: