



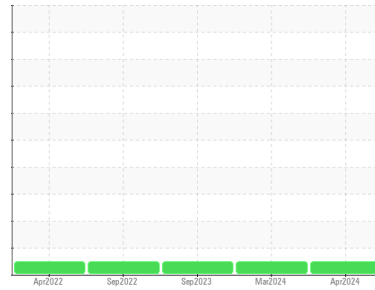
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
OKLAHOMA/102
 Machine Id
74.28 [OKLAHOMA^102]
 Component
Coolant
 Fluid
CATERPILLAR ELC (19 GAL)



DIAGNOSIS

Recommendation

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

The carboxylate level of this fluid is acceptable. 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		WC0935209	WC0914429	WC0769738
Sample Date	Client Info		26 Apr 2024	28 Mar 2024	20 Sep 2023
Machine Age	hrs	Client Info	2320	2257	1676
Oil Age	hrs	Client Info	500	0	1500
Oil Changed	Client Info		Not Chngd	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.068	1.068	1.069
pH	Scale 0-14	ASTM D1287	7.63	7.92	7.51
Nitrites	ppm	AP-053:2009	676	676	300
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	50.1	50.9	51.7
Freezing Point	°F	ASTM D3321	-35	-35	-38
Total Dissolved Solids			308.5	341.0	380.0
Carboxylate			pass	fail	fail

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	14	19	85
Phosphorus	ppm	ASTM D6130	0	3	8	0
Boron	ppm	ASTM D6130	0	0	5	3
Molybdenum	ppm	ASTM D6130	950	697	680	1005

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		12	12	14

CARRIER SALTS

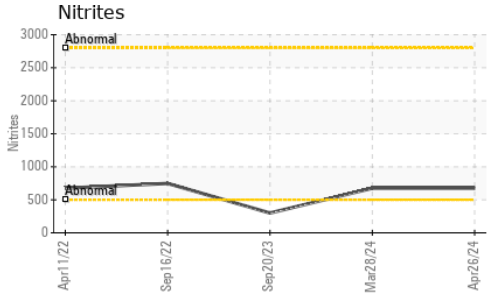
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		4517	4200	5663
Potassium	ppm	ASTM D6130		78	97	338





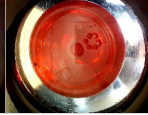

SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		<1	2	3
Magnesium	ppm	ASTM D6130		<1	2	2

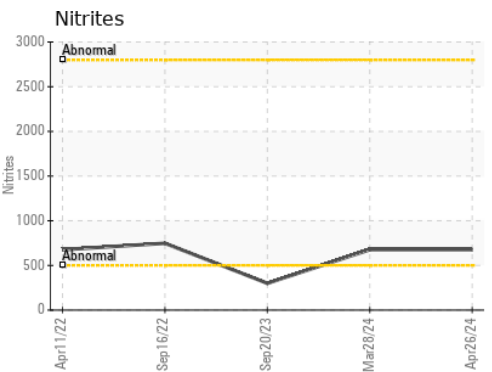
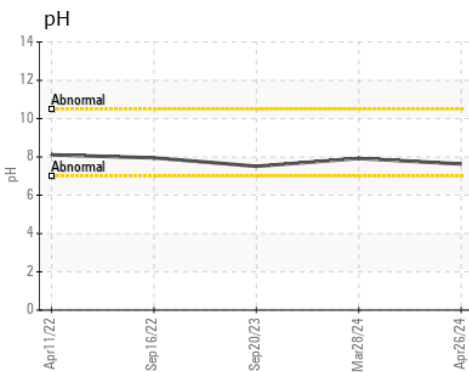
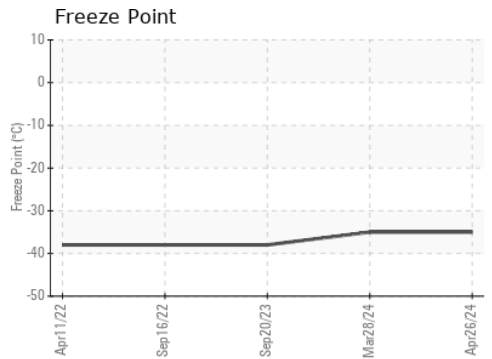
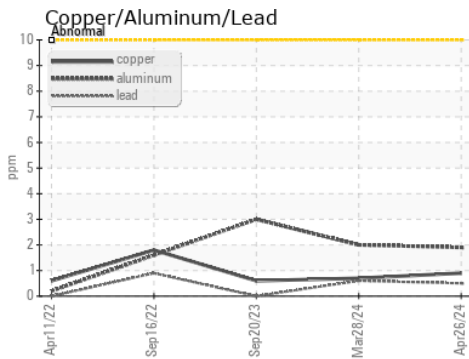
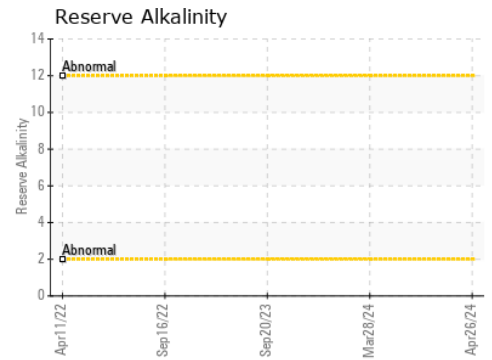
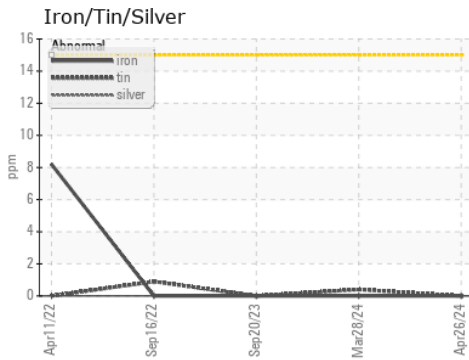


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0935209 **Received** : 09 May 2024
Lab Number : 06175055 **Tested** : 16 May 2024
Unique Number : 11021108 **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: 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)