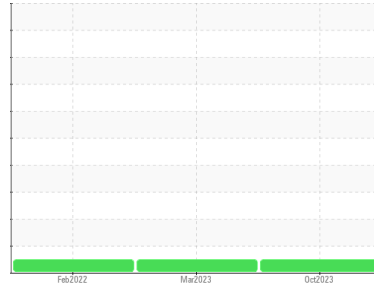




COOLANT REPORT

Area
KANSAS/44
 Machine Id
20.76L [KANSAS^44]
 Component
Coolant
 Fluid
CATERPILLAR ELC (13 GAL)

Sample Rating Trend



NORMAL



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

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	WC0781202	WC0779838	WC0630441	
Sample Date	Client Info	09 Oct 2023	06 Mar 2023	15 Feb 2022	
Machine Age	hrs	Client Info	15007	13961	12542
Oil Age	hrs	Client Info	14754	13877	0
Oil Changed	Client Info	Not Chngd	N/A	Not Chngd	
Sample Status		NORMAL	NORMAL	NORMAL	

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	1.069	1.067	---
pH	Scale 0-14 ASTM D1287	7.33	9.12	7.81
Nitrites	ppm AP-053:2009	524	412	524
Reserve Alkalinity	Scale 0-20 *ASTM D1121	---	---	---
Percentage Glycol	% ASTM D3321	51.0	50.0	52
Freezing Point	°F ASTM D3321	-38	-35	-43
Total Dissolved Solids		378.5	310.5	396.5
Carboxylate		fail	pass	pass

CORROSION INHIBITORS

method	limit/base	current	history1	history2	
Silicon	ppm ASTM D6130	0	7	22	20
Phosphorus	ppm ASTM D6130	0	3	0	<1
Boron	ppm ASTM D6130	0	0	0	0
Molybdenum	ppm ASTM D6130	950	692	1184	958

CORROSION

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

CONTAMINANTS

method	limit/base	current	history1	history2	
Chlorine	ppm ASTM D6130		13	28	13

CARRIER SALTS

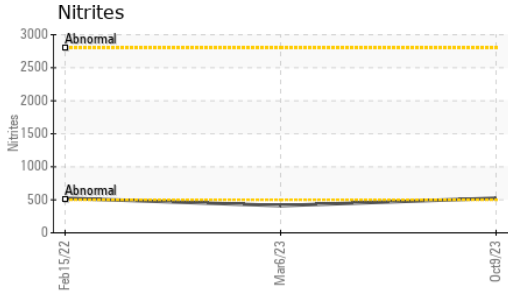
method	limit/base	current	history1	history2	
Sodium	ppm ASTM D6130		4176	6015	3207
Potassium	ppm ASTM D6130		183	372	548

SCALE POTENTIAL

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

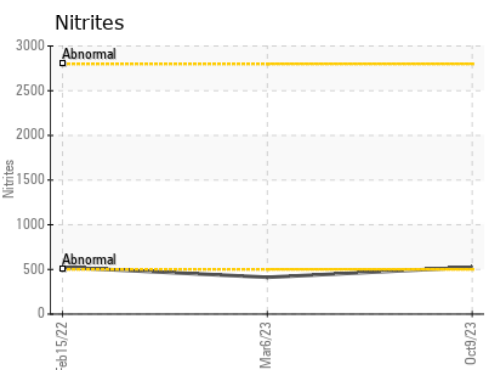
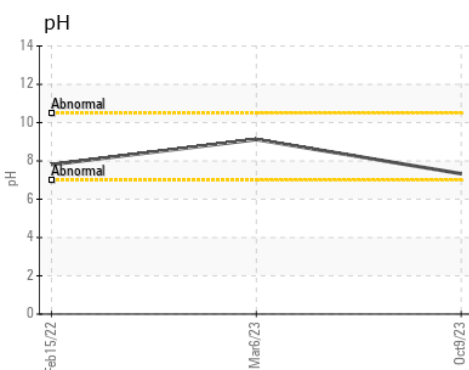
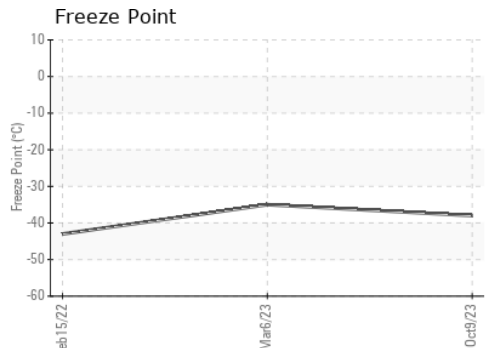
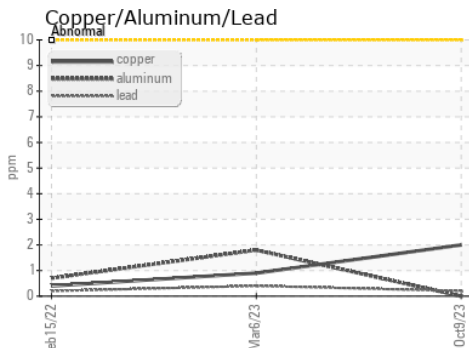
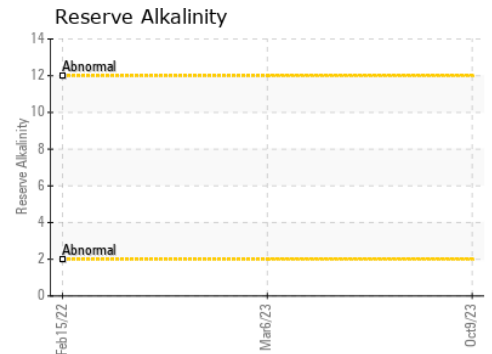
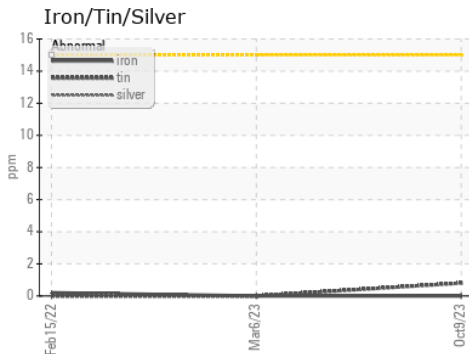


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0781202 **Received** : 31 Oct 2023
Lab Number : 05994832 **Diagnosed** : 03 Nov 2023
Unique Number : 10723192 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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)

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