



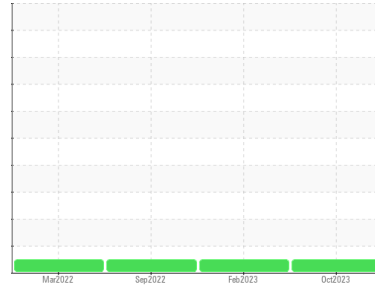
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
COLORADO/443
 Machine Id
46.104L [COLORADO^443]
 Component
Coolant
 Fluid
CATERPILLAR ELC (12 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		WC0859553	WC0749922	WC0718162
Sample Date	Client Info		09 Oct 2023	27 Feb 2023	19 Sep 2022
Machine Age	hrs	Client Info	1910	1346	1035
Oil Age	hrs	Client Info	1910	1346	1035
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.078	1.077	1.077
pH	Scale 0-14 ASTM D1287		8.00	7.97	8.06
Nitrites	ppm AP-053:2009		788	372	748
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		58.2	57.7	57.6
Freezing Point	°F ASTM D3321		-54	-52	-52
Total Dissolved Solids			385.5	417.5	467.0
Carboxylate			pass	pass	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	19	65	51
Phosphorus	ppm ASTM D6130	0	55	143	127
Boron	ppm ASTM D6130	0	0	4	0
Molybdenum	ppm ASTM D6130	950	745	1134	1178

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		0	33	0

CARRIER SALTS

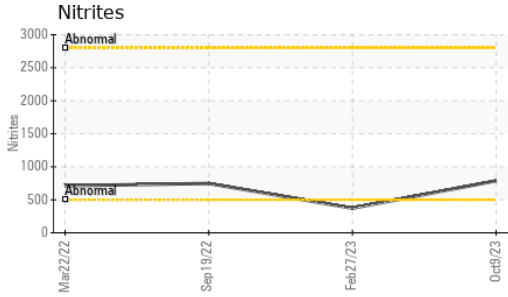
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		4195	5231	4381
Potassium	ppm ASTM D6130		318	830	735

SCALE POTENTIAL

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

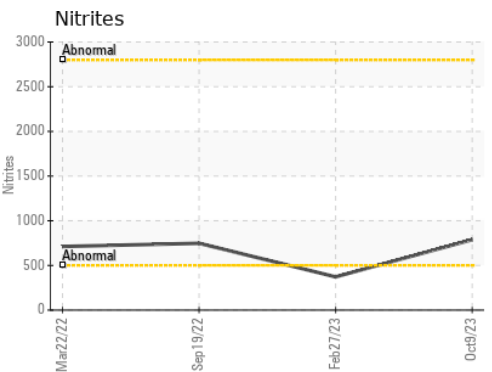
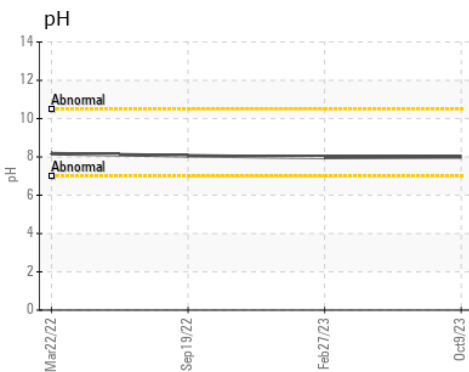
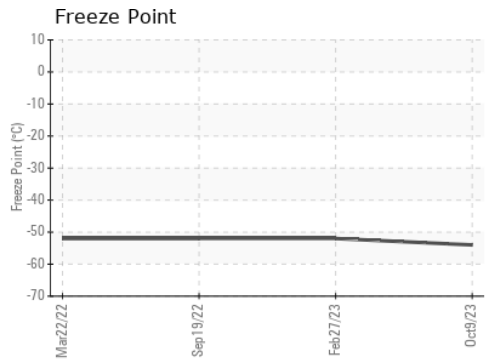
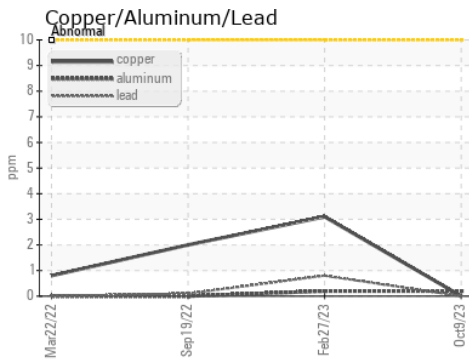
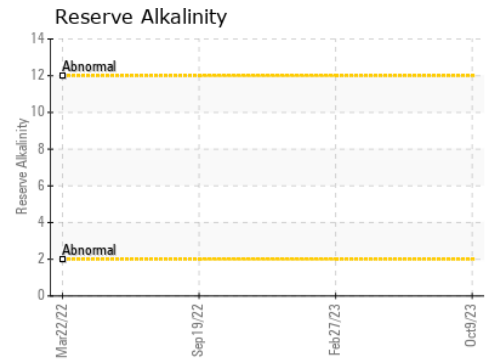
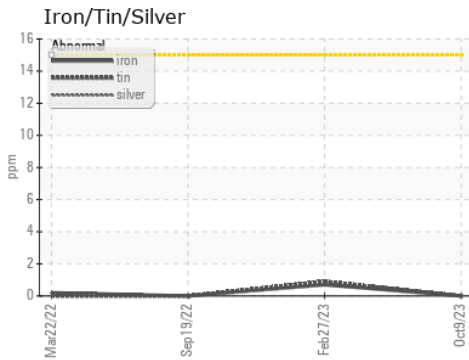


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0859553 **Received** : 12 Oct 2023
Lab Number : 05977888 **Diagnosed** : 18 Oct 2023
Unique Number : 10695183 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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 US 67213
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 doug.king@sherwood.net
 T: (316)617-3161
 F: x:

Certificate L2367
 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)