



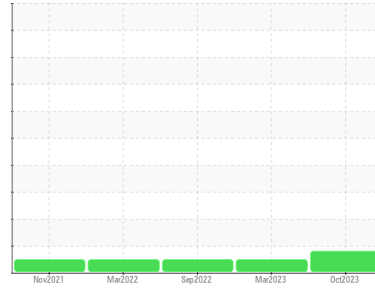
COOLANT REPORT

Sample Rating Trend

APPEARANCE



Area
COLORADO/443/EG - LOADER
 Machine Id
45.57L [COLORADO^443^EG - LOADER]
 Component
Coolant
 Fluid
CAT EXTENDED LIFE COOLANT (ELC) (9 GAL)



DIAGNOSIS

▲ Recommendation

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

Corrosion

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

▲ Contaminants

Appearance is hazy. There is no indication of any contamination in the coolant.

Coolant Condition

Carboxylate test failed. 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		WC0859568	WC0766179	WC0672101
Sample Date	Client Info		09 Oct 2023	01 Mar 2023	14 Sep 2022
Machine Age	hrs	Client Info	3268	2803	2267
Oil Age	hrs	Client Info	3268	2803	2267
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			ABNORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.067	1.067	1.067
pH	Scale 0-14 ASTM D1287		7.05	7.04	7.09
Nitrites	ppm AP-053:2009		524	336	300
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		49.2	49.4	49.5
Freezing Point	°F ASTM D3321		-33	-33	-33
Total Dissolved Solids			337.5	322.5	351.0
Carboxylate			fail	pass	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	<1	34	30
Phosphorus	ppm ASTM D6130	0	5	0	2
Boron	ppm ASTM D6130	0	0	0	0
Molybdenum	ppm ASTM D6130	950	549	1143	968

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	0	0	0
Aluminum	ppm ASTM D6130	>10	<1	<1	2
Copper	ppm ASTM D6130	>10	0	2	1
Lead	ppm ASTM D6130	>10	0	<1	<1
Tin	ppm ASTM D6130	>10	0	<1	<1
Zinc	ppm ASTM D6130		19	36	12

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		3	35	21

CARRIER SALTS

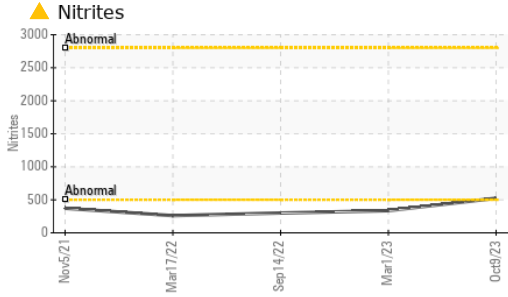
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		3334	6009	2532
Potassium	ppm ASTM D6130		488	1546	500

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		1	5	2
Magnesium	ppm ASTM D6130		<1	<1	<1

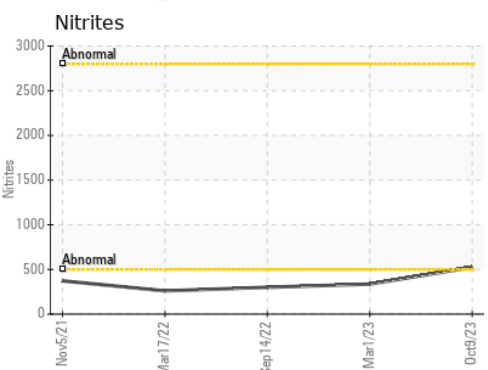
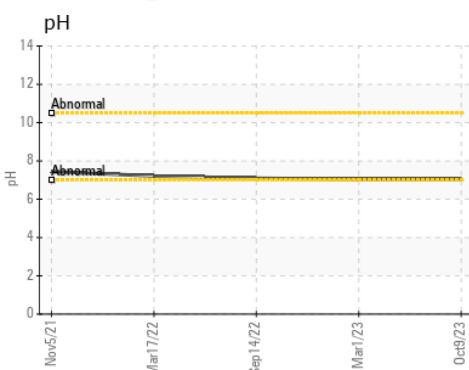
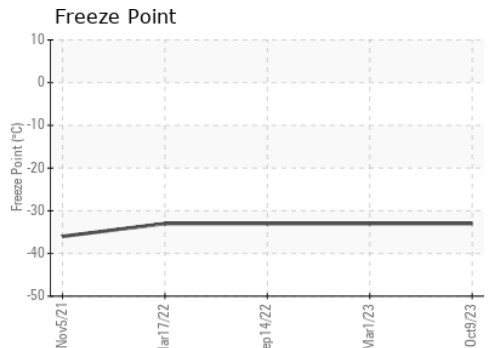
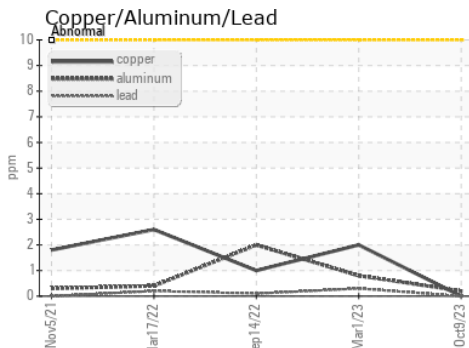
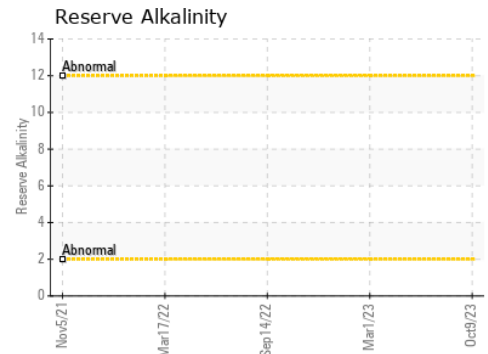
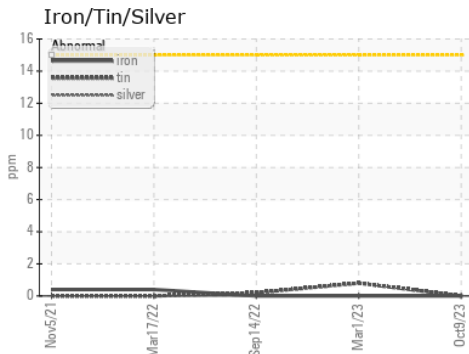


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0859568 **Received** : 12 Oct 2023
Lab Number : 05977885 **Diagnosed** : 18 Oct 2023
Unique Number : 10695180 **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:

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)