



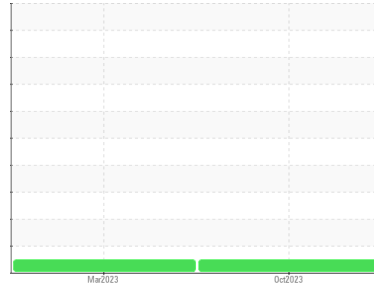
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
OKLAHOMA/105
 Machine Id
08.509 [OKLAHOMA^105]
 Component
Coolant
 Fluid
CATERPILLAR ELC (--- 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

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		WC0857466	WC0800830	---
Sample Date	Client Info		23 Oct 2023	27 Mar 2023	---
Machine Age	hrs	Client Info	500	500	---
Oil Age	hrs	Client Info	500	500	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			NORMAL	NORMAL	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.067	1.068	---
pH	Scale 0-14 ASTM D1287		7.68	8.10	---
Nitrites	ppm AP-053:2009		748	336	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		49.9	50.2	---
Freezing Point	°F ASTM D3321		-33	-35	---
Total Dissolved Solids			336.5	296.5	---
Carboxylate			fail	pass	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	5	5	---
Phosphorus	ppm ASTM D6130	0	14	33	---
Boron	ppm ASTM D6130	0	0	0	---
Molybdenum	ppm ASTM D6130	950	266	113	---

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		13	12	---

CARRIER SALTS

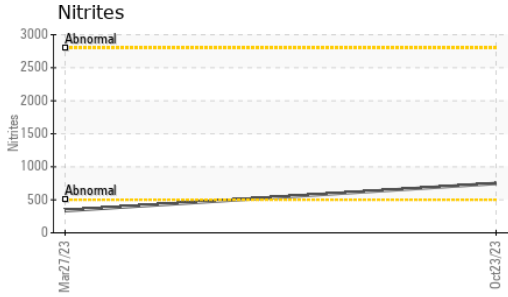
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		3831	5856	---
Potassium	ppm ASTM D6130		45	103	---



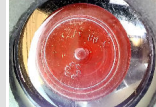

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		3	34	---
Magnesium	ppm ASTM D6130		2	3	---

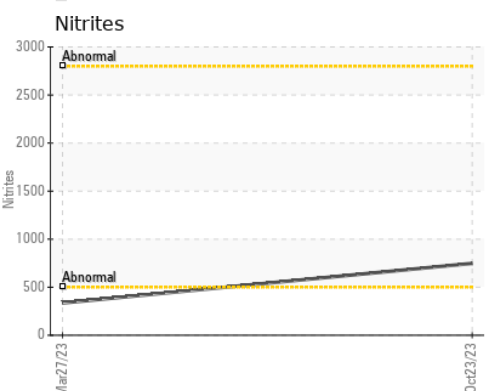
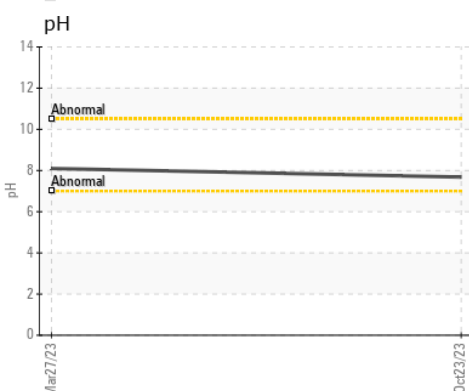
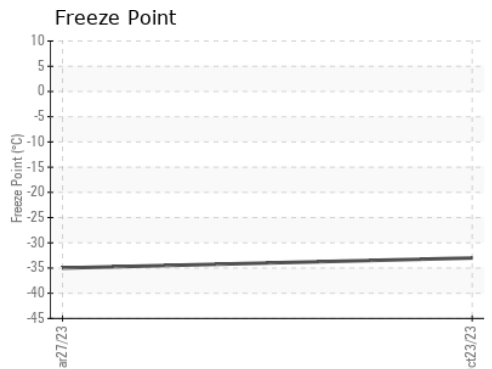
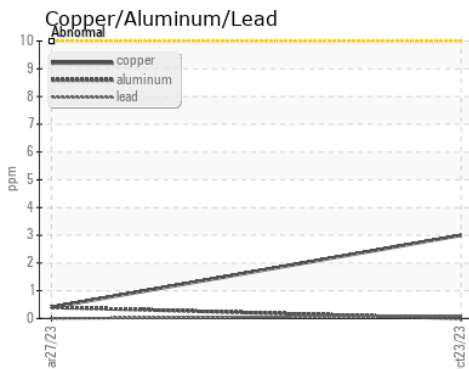
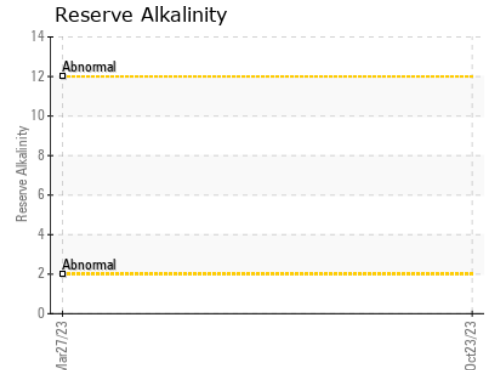
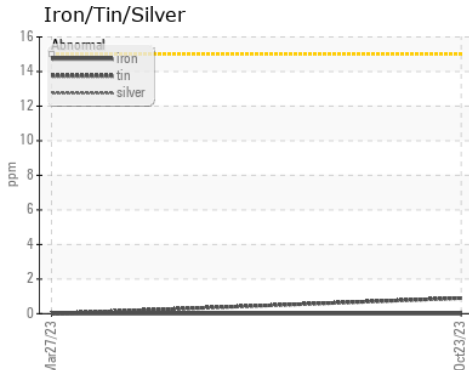


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Red	Pink	---
Coolant Appearance	*Visual	Clear	normal	normal	---
Color					no image
Bottom					no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0857466 **Received** : 31 Oct 2023
Lab Number : 05994849 **Diagnosed** : 03 Nov 2023
Unique Number : 10723209 **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)