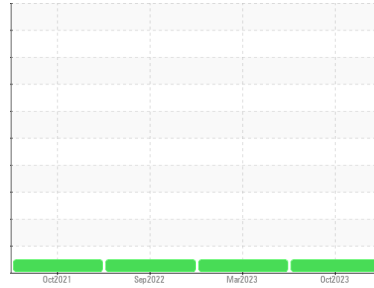




COOLANT REPORT

Sample Rating Trend

NORMAL



Area
OKLAHOMA/105/HY - TRUCK-ON-HWY-HEAVY DUTY
 Machine Id
08.117 [OKLAHOMA^105^HY - TRUCK-ON-HWY-HEAVY DUTY]
 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			WC0857429	WC0778425	WC0741095
Sample Date	Client Info			23 Oct 2023	16 Mar 2023	12 Sep 2022
Machine Age	hrs	Client Info		7310	7310	5809
Oil Age	hrs	Client Info		7310	7310	5809
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		1.073	1.082	1.081
pH	Scale 0-14	ASTM D1287		8.61	8.05	8.05
Nitrites	ppm	AP-053:2009		676	524	372
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		54.6	62.4	61.3
Freezing Point	°F	ASTM D3321		-45	-61	-59
Total Dissolved Solids				402.5	451.5	456.0
Carboxylate				fail	pass	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	48	303	231
Phosphorus	ppm	ASTM D6130	0	6	6	4
Boron	ppm	ASTM D6130	0	0	0	0
Molybdenum	ppm	ASTM D6130	950	706	1200	1181

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	0	<1	0
Aluminum	ppm	ASTM D6130	>10	0	4	3
Copper	ppm	ASTM D6130	>10	<1	4	4
Lead	ppm	ASTM D6130	>10	<1	0	0
Tin	ppm	ASTM D6130	>10	1	1	<1
Zinc	ppm	ASTM D6130		<1	1	<1

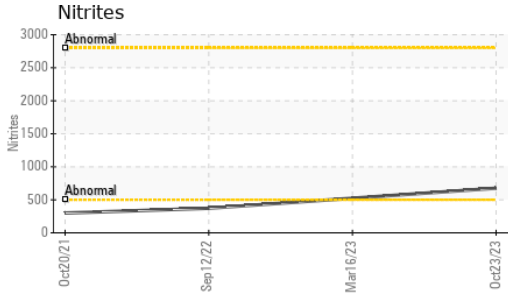
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		10	39	44

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		4246	6896	2942
Potassium	ppm	ASTM D6130		75	1893	633

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		2	4	6
Magnesium	ppm	ASTM D6130		<1	3	3

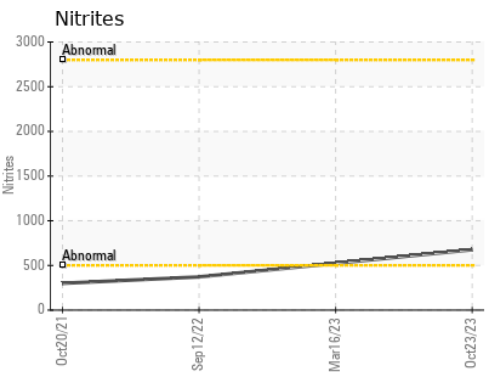
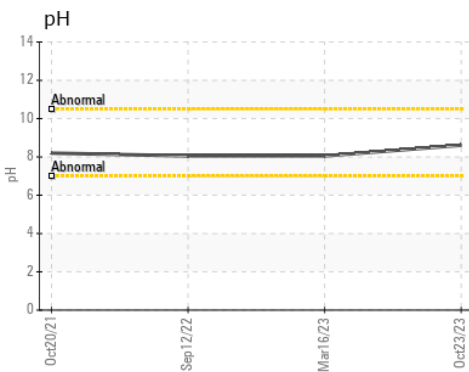
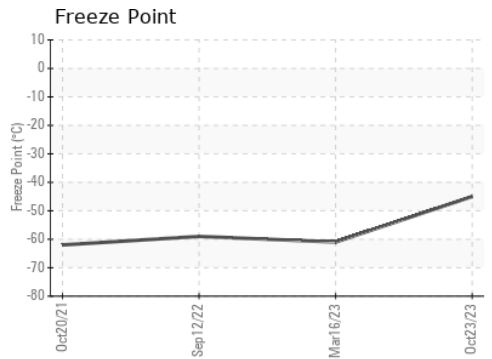
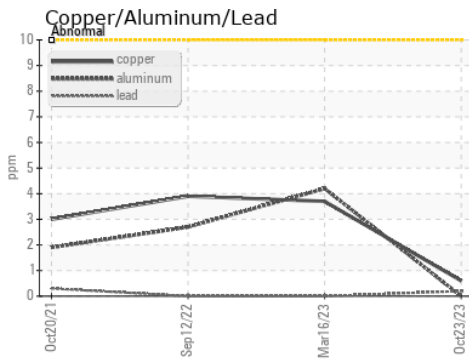
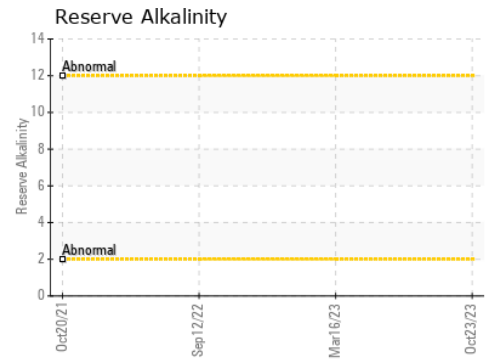
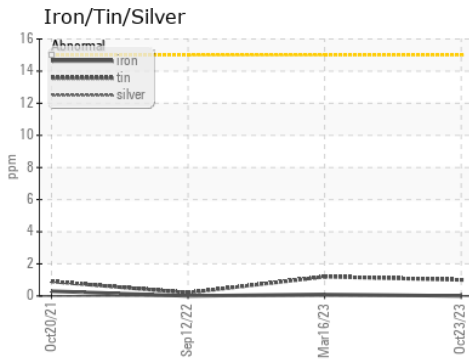


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0857429 **Received** : 31 Oct 2023
Lab Number : 05994846 **Diagnosed** : 03 Nov 2023
Unique Number : 10723206 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: DOUG KING
 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)