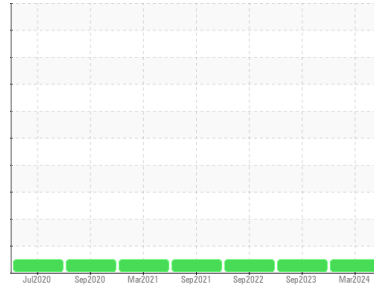




COOLANT REPORT

Sample Rating Trend

NORMAL



Area
KANSAS/44/SKIDSTEER
 Machine Id
53.150L [KANSAS^44^SKIDSTEER]

Component
Coolant
 Fluid
CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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

Carboxylate test failed. 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			WC0901304	WC0781176	WC0712311
Sample Date	Client Info			11 Mar 2024	22 Sep 2023	19 Sep 2022
Machine Age	hrs	Client Info		1616	2321	1613
Oil Age	hrs	Client Info		0	2321	1613
Oil Changed	Client Info			Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			---	---	---
Specific Gravity	*ASTM D1298			1.069	1.069	1.064
pH	Scale 0-14	ASTM D1287		7.56	7.40	7.29
Nitrites	ppm	AP-053:2009		712	488	184
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		51.0	51.1	47.6
Freezing Point	°F	ASTM D3321		-38	-38	-28
Total Dissolved Solids				325.0	335.0	316.0
Carboxylate				fail	fail	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	6	12	23
Phosphorus	ppm	ASTM D6130	0	0	<1	34
Boron	ppm	ASTM D6130	0	15	30	4
Molybdenum	ppm	ASTM D6130	950	545	445	811

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	3	1	0
Aluminum	ppm	ASTM D6130	>10	0	1	<1
Copper	ppm	ASTM D6130	>10	1	3	<1
Lead	ppm	ASTM D6130	>10	<1	1	0
Tin	ppm	ASTM D6130	>10	0	1	0
Zinc	ppm	ASTM D6130		1	5	48

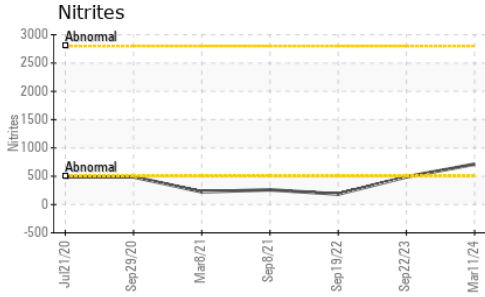
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		7	16	25

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		3415	3078	2722
Potassium	ppm	ASTM D6130		385	294	773

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		6	5	13
Magnesium	ppm	ASTM D6130		<1	2	5

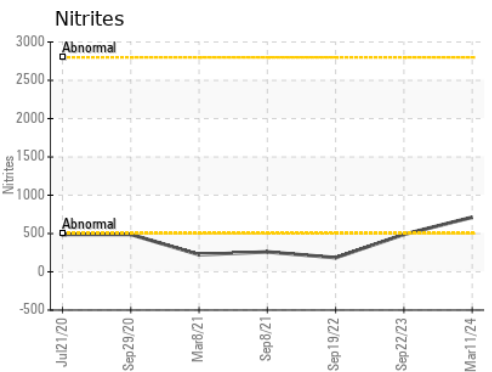
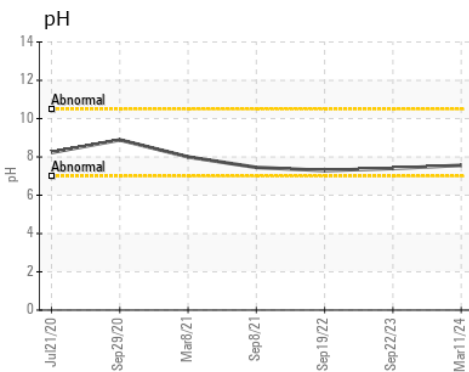
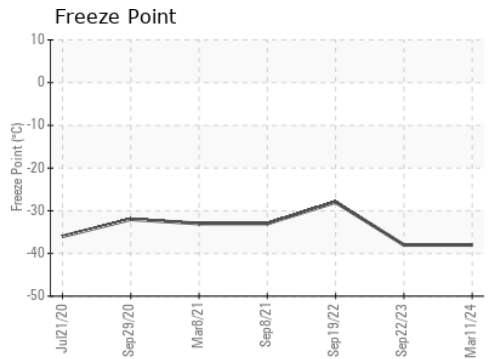
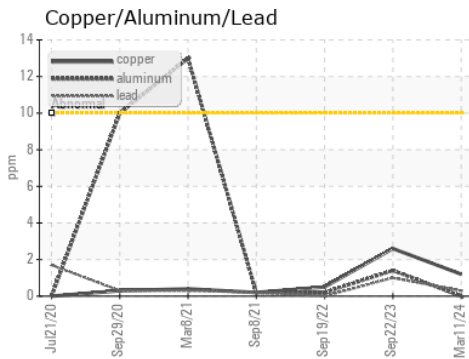
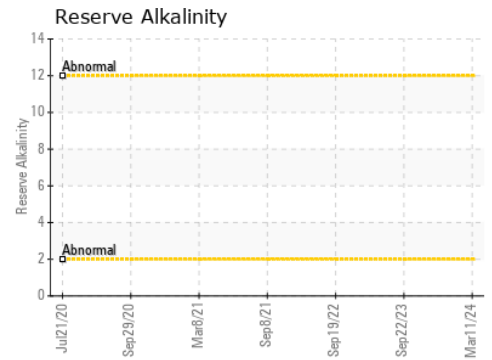
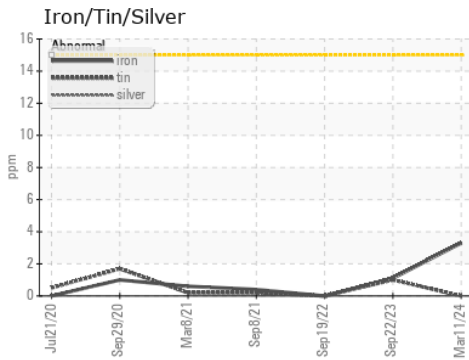


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0901304 **Received** : 18 Mar 2024
Lab Number : 06121903 **Tested** : 21 Mar 2024
Unique Number : 10936054 **Diagnosed** : 21 Mar 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, 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)