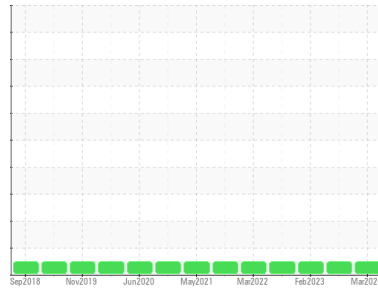




COOLANT REPORT

Area
COLORADO/443/EG - LOADER
 Machine Id
45.41L [COLORADO^443^EG - LOADER]
 Component
Coolant
 Fluid
CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)

Sample Rating Trend



NORMAL



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. 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		WC0883977	WC0859666	WC0766172
Sample Date	Client Info		27 Mar 2024	27 Oct 2023	27 Feb 2023
Machine Age	hrs	Client Info	7735	7244	6814
Oil Age	hrs	Client Info	7735	7244	6814
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.068	1.064	1.068
pH	Scale 0-14	ASTM D1287	7.43	7.64	7.64
Nitrites	ppm	AP-053:2009	600	676	560
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	50.3	47.6	50.2
Freezing Point	°F	ASTM D3321	-35	-28	-35
Total Dissolved Solids			386.5	389.5	400.0
Carboxylate			fail	fail	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	6	8	24
Phosphorus	ppm	ASTM D6130	0	<1	6	0
Boron	ppm	ASTM D6130	0	0	0	6
Molybdenum	ppm	ASTM D6130	950	596	608	969

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		13	20	40

CARRIER SALTS

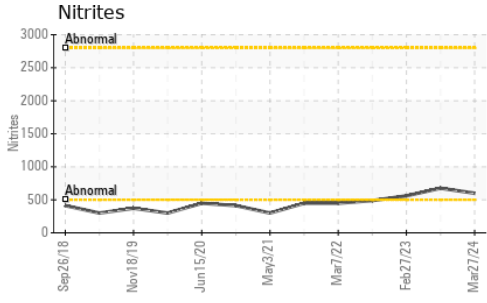
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		3902	3895	5192
Potassium	ppm	ASTM D6130		453	517	965

SCALE POTENTIAL

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

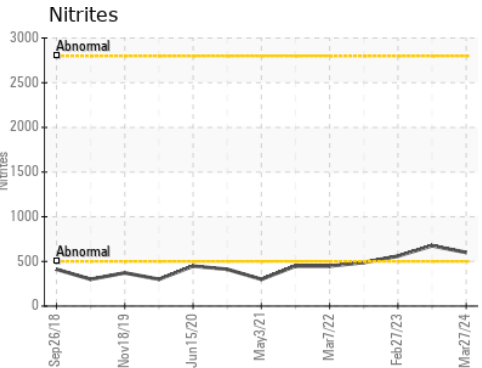
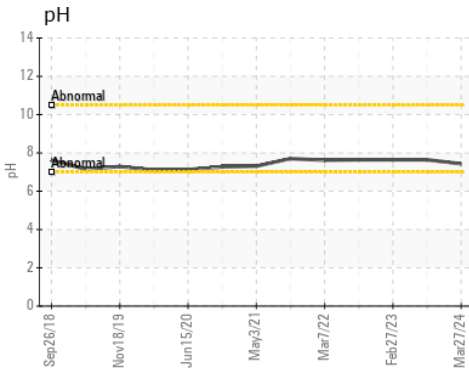
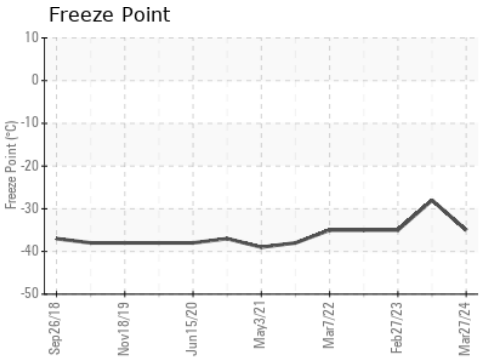
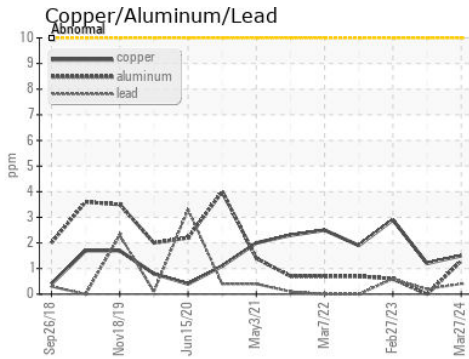
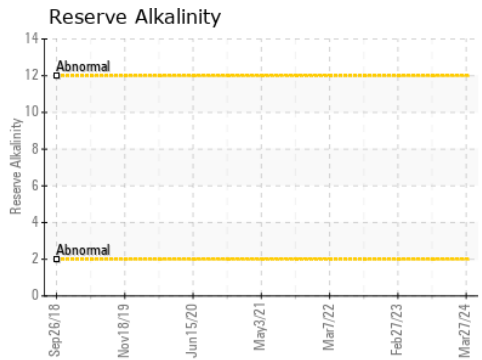
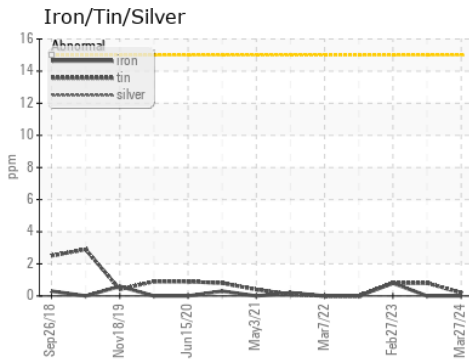


COOLANT REPORT



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. : WC0883977
Lab Number : 06142678
Unique Number : 10967486
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)
Received : 08 Apr 2024
Tested : 11 Apr 2024
Diagnosed : 11 Apr 2024 - Jonathan Hester

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)