



COOLANT REPORT

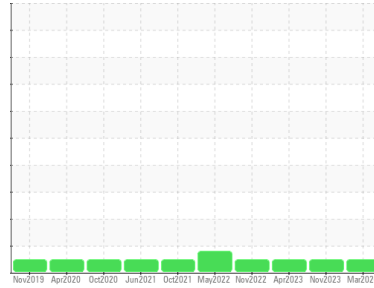
Sample Rating Trend

NORMAL



Area
COLORADO/443/EG - SKID STEER
Machine Id
289D3

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. 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		WC0884004	WC0859625	WC0799024
Sample Date	Client Info		13 Mar 2024	22 Nov 2023	27 Apr 2023
Machine Age	hrs	Client Info	3557	3474	3134
Oil Age	hrs	Client Info	3557	3474	3134
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		1.068	1.068	1.065
pH	Scale 0-14	ASTM D1287	8.09	7.99	7.70
Nitrites	ppm	AP-053:2009	676	712	560
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	50.1	50.3	48.7
Freezing Point	°F	ASTM D3321	-35	-35	-31
Total Dissolved Solids			357.5	376.0	329.0
Carboxylate			fail	fail	fail

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	2	3	16
Phosphorus	ppm	ASTM D6130	0	5	7	0
Boron	ppm	ASTM D6130	0	1	<1	10
Molybdenum	ppm	ASTM D6130	950	605	634	1083

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		20	8	30

CARRIER SALTS

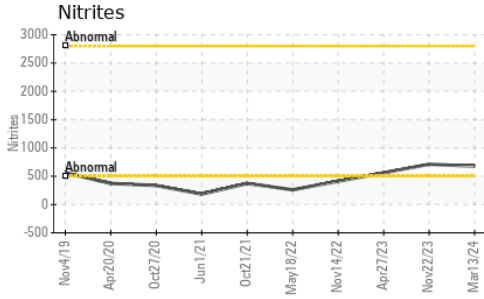
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		3517	3450	5898
Potassium	ppm	ASTM D6130		198	164	480

SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		<1	2	2
Magnesium	ppm	ASTM D6130		0	1	<1

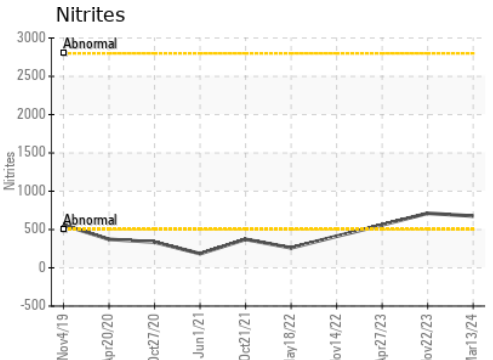
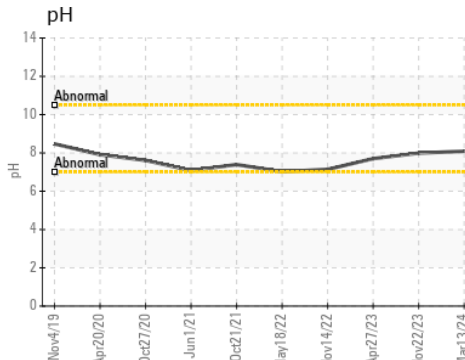
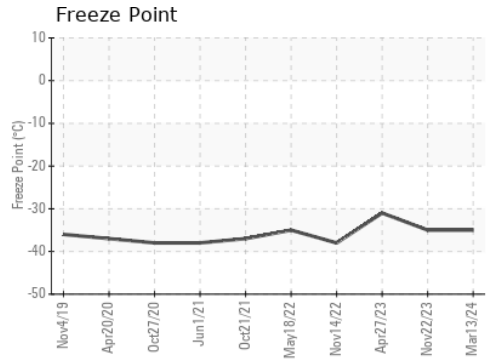
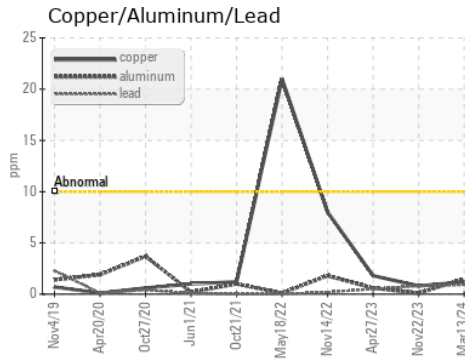
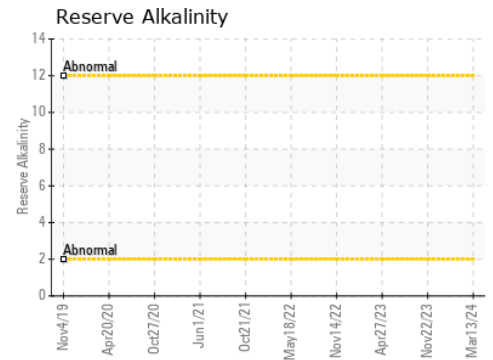
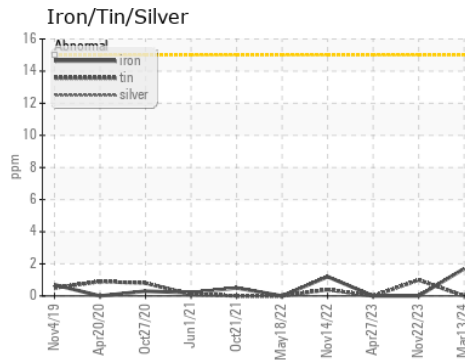


COOLANT REPORT



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. : WC0884004 **Received** : 20 Mar 2024
Lab Number : 06124475 **Tested** : 25 Mar 2024
Unique Number : 10938626 **Diagnosed** : 25 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)