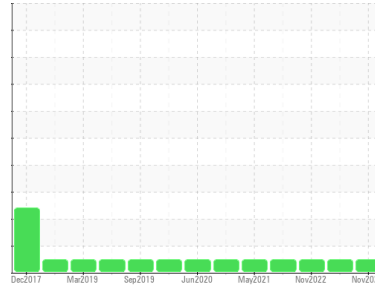




COOLANT REPORT

Area
COLORADO/443/EG - EXCAVATOR
 Machine Id
20.407L [COLORADO^443^EG - EXCAVATOR]
 Component
Coolant
 Fluid
EXTENDED LIFE COOLANT (--- 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	WC0859601	WC0766180	WC0749981
Sample Date	Client Info	20 Nov 2023	01 Mar 2023	14 Nov 2022
Machine Age	hrs	7850	7358	7055
Oil Age	hrs	7850	7358	7055
Oil Changed	Client Info	Not Changed	Not Changed	Not Changed
Sample Status		NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	1.068	1.067	1.067
pH	Scale 0-14 ASTM D1287	7.81	9.13	9.37
Nitrites	ppm AP-053:2009	336	448	372
Reserve Alkalinity	Scale 0-20 *ASTM D1121	---	---	---
Percentage Glycol	% ASTM D3321	50.1	49.8	49.8
Freezing Point	°F ASTM D3321	-35	-33	-33
Total Dissolved Solids		343.5	334.5	302.0
Carboxylate		fail	pass	pass

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	<1	12	10
Phosphorus	ppm ASTM D6130	5	0	0
Boron	ppm ASTM D6130	0	0	2
Molybdenum	ppm ASTM D6130	600	1044	837

CORROSION

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

CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	10	21	11

CARRIER SALTS

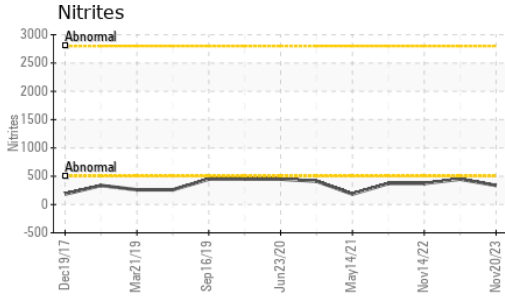
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	3616	6317	4907
Potassium	ppm ASTM D6130	67	249	250

SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130	3	2	3
Magnesium	ppm ASTM D6130	1	<1	0

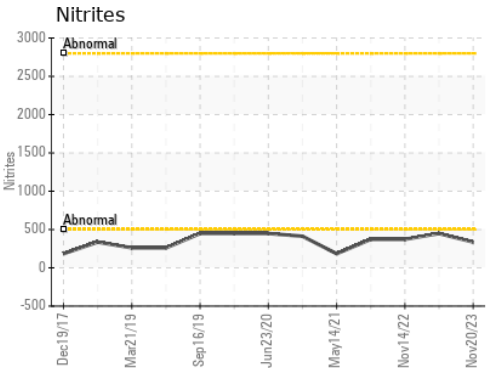
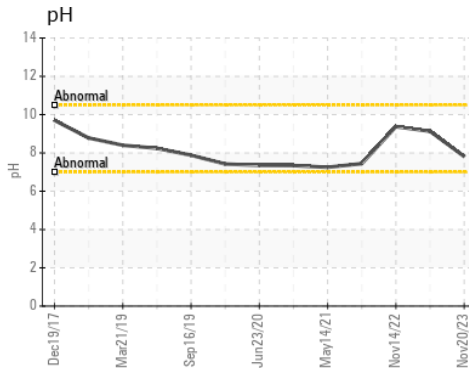
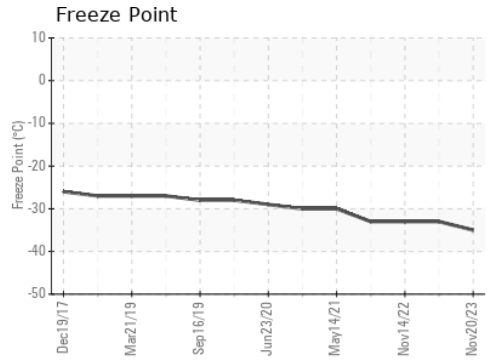
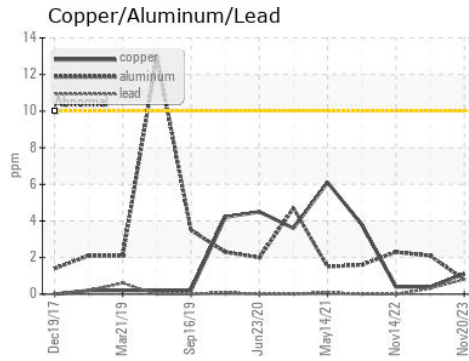
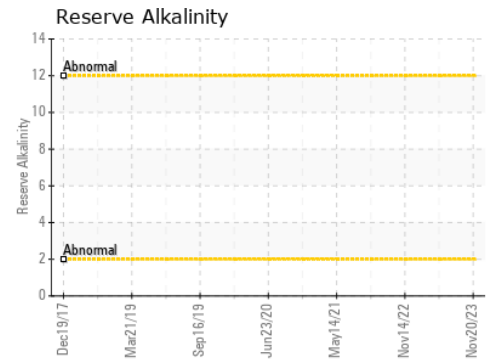
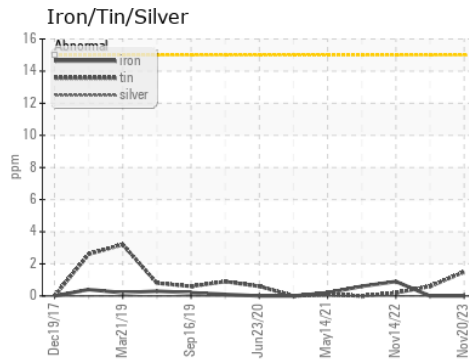


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0859601 **Received** : 22 Nov 2023
Lab Number : 06016001 **Diagnosed** : 06 Dec 2023
Unique Number : 10755145 **Diagnostician** : Doug Bogart
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)