



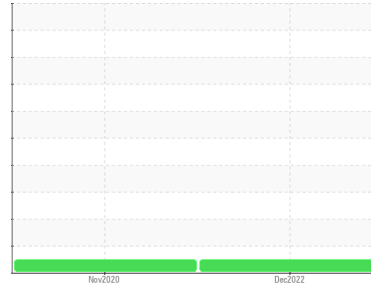
COOLANT REPORT

Sample Rating Trend

NORMAL



Area
KANSAS/88/FD - EXCAVATOR
 Machine Id
20.105C [KANSAS^88^FD - EXCAVATOR]
 Component
Coolant
 Fluid
EXTENDED LIFE COOLANT (--- 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

The carboxylate level of this fluid is acceptable. 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		WC0741765	WC0453716	---
Sample Date	Client Info		07 Dec 2022	22 Nov 2020	---
Machine Age	hrs	Client Info	2662	0	---
Oil Age	hrs	Client Info	2662	0	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			NORMAL	NORMAL	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.066	---	---
pH	Scale 0-14 ASTM D1287		7.87	8.02	---
Nitrites	ppm AP-053:2009		712	600	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		49.1	49	---
Freezing Point	°F ASTM D3321		-33	-35	---
Total Dissolved Solids			364.5	388.0	---
Carboxylate			pass	pass	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130		22	6	---
Phosphorus	ppm ASTM D6130		134	80	---
Boron	ppm ASTM D6130		6	5	---
Molybdenum	ppm ASTM D6130		1020	460	---

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		13	7	---

CARRIER SALTS

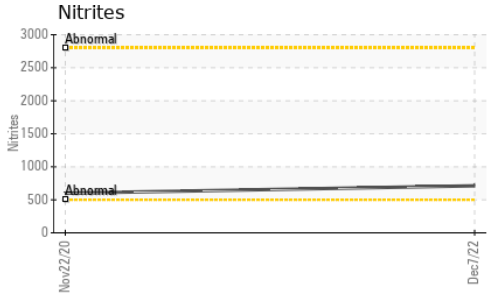
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		5665	3056	---
Potassium	ppm ASTM D6130		1911	742	---

SCALE POTENTIAL

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

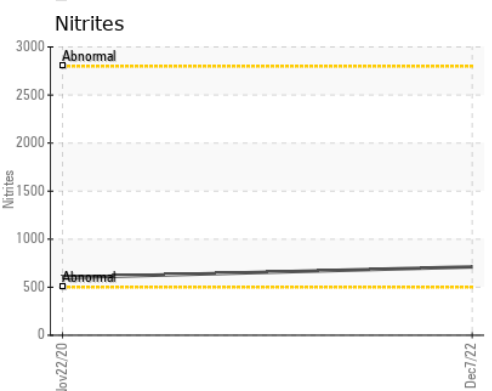
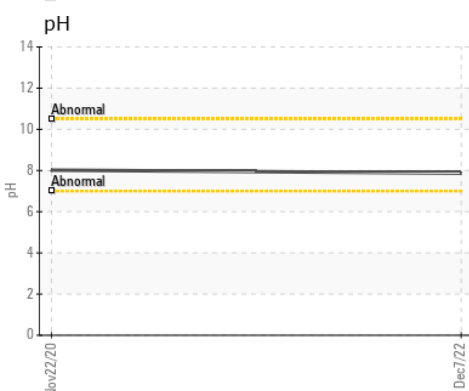
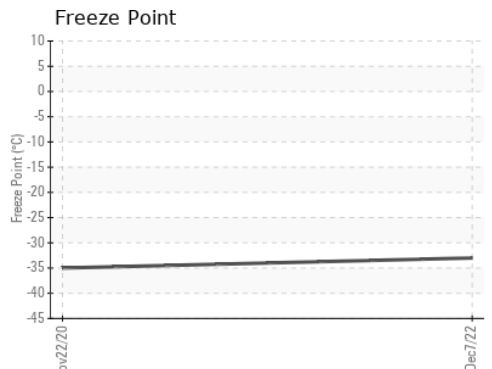
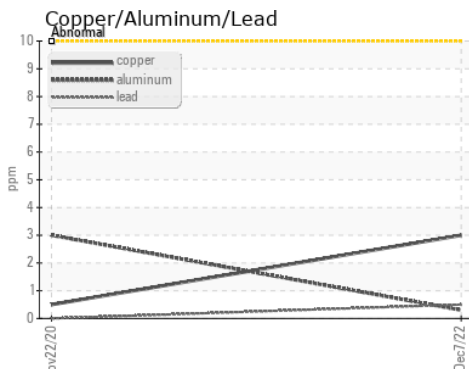
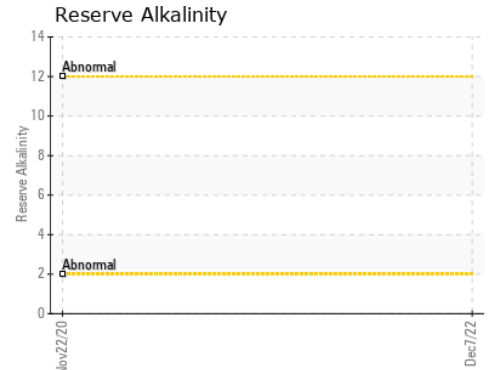
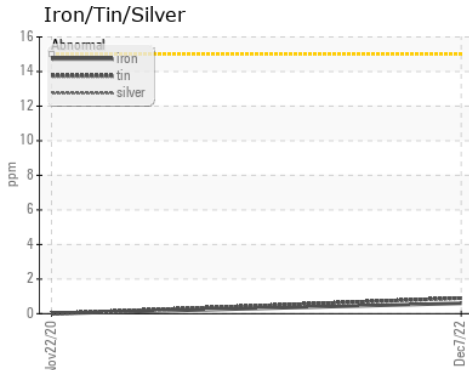


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Red	Red	---
Coolant Appearance	*Visual	Clear	normal	normal	---
Color					no image
Bottom					no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0741765 **Received** : 12 Dec 2022
Lab Number : 05715681 **Tested** : 13 Dec 2022
Unique Number : 10255257 **Diagnosed** : 14 Dec 2022 - Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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 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)