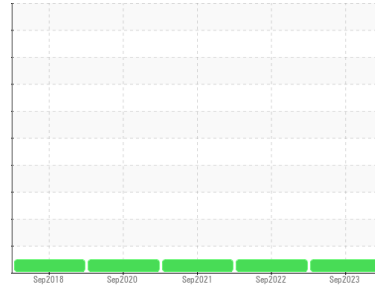




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
OKLAHOMA/102/EG - MOTOR GRADER
 Machine Id
78.79 [OKLAHOMA^102^EG - MOTOR GRADER]
 Component
Coolant
 Fluid
CAT EXTENDED LIFE COOLANT (ELC) (--- 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		WC0848959	WC0738611	WC0622989
Sample Date	Client Info		12 Sep 2023	19 Sep 2022	21 Sep 2021
Machine Age	hrs	Client Info	22745	131200	20225
Oil Age	hrs	Client Info	22745	131200	131200
Oil Changed		Client Info	N/A	N/A	Not Changd
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.069	1.069	---
pH	Scale 0-14 ASTM D1287		7.97	8.17	8.15
Nitrites	ppm AP-053:2009		788	112	524
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		51.2	51.4	51
Freezing Point	°F ASTM D3321		-38	-38	-41
Total Dissolved Solids			364.5	434.5	408.0
Carboxylate			pass	pass	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	29	28	29
Phosphorus	ppm ASTM D6130	0	<1	1	4
Boron	ppm ASTM D6130	0	9	<1	<1
Molybdenum	ppm ASTM D6130	950	986	1057	988

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		15	10	14

CARRIER SALTS

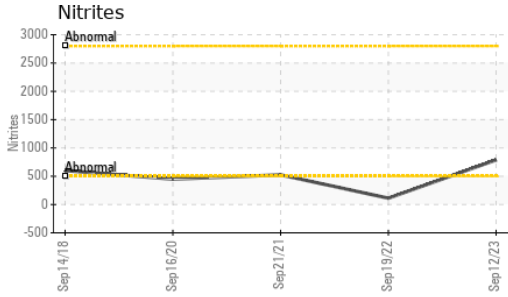
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		5809	3256	3246
Potassium	ppm ASTM D6130		793	449	17

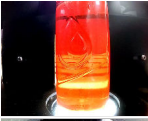
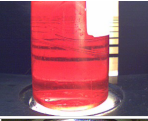




SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		5	4	4
Magnesium	ppm ASTM D6130		8	8	6

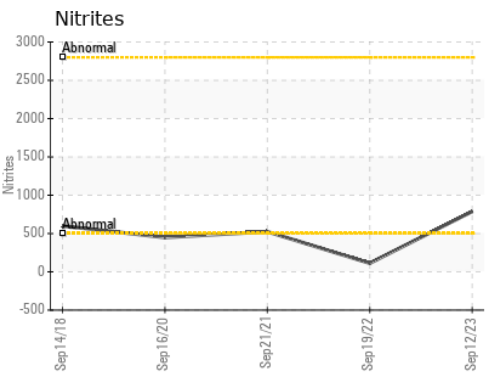
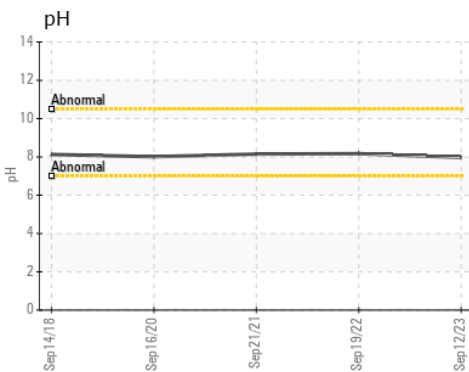
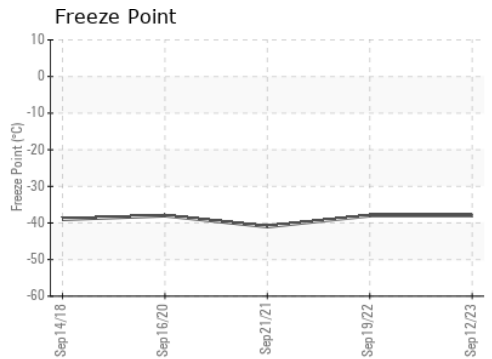
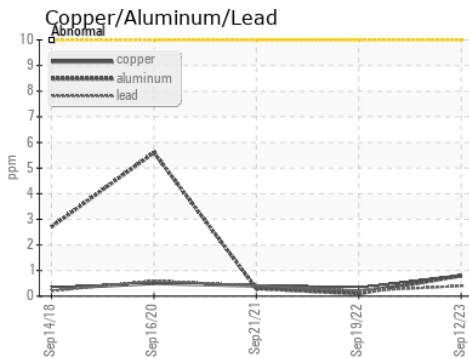
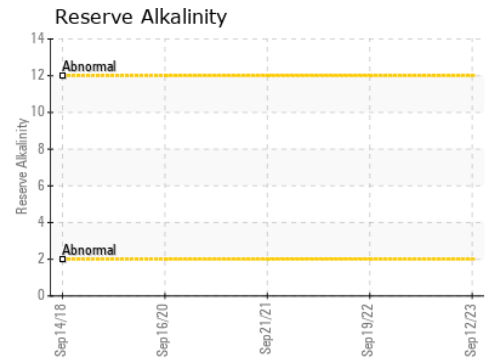
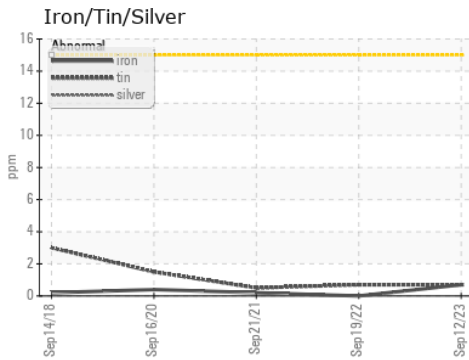


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0848959 **Received** : 22 Sep 2023
Lab Number : 05958892 **Diagnosed** : 26 Sep 2023
Unique Number : 10660105 **Diagnostician** : Jonathan Hester
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:

Certificate L2367
 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)