



COOLANT REPORT

Sample Rating Trend



NORMAL



Area
OKLAHOMA/102/EG - DOZER
 Machine Id
36.24L [OKLAHOMA^102^EG - DOZER]
 Component
Radiator Coolant
 Fluid
CATERPILLAR ELC (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service.

Wear

All metal levels are normal indicating no corrosion in the cooling system.

Contamination

There is no indication of any contamination in the coolant.

Fluid Condition

Carboxylate test failed. 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		WC0848979	---	---
Sample Date	Client Info		15 Sep 2023	---	---
Machine Age	hrs	Client Info	2630	---	---
Oil Age	hrs	Client Info	2630	---	---
Oil Changed		Client Info	N/A	---	---
Sample Status			NORMAL	---	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.067	---	---
pH	Scale 0-14 ASTM D1287		7.51	---	---
Nitrites	ppm AP-053:2009		748	---	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		49.7	---	---
Freezing Point	°F ASTM D3321		-33	---	---
Total Dissolved Solids			366.5	---	---
Carboxylate			fail	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	0	45	---	---
Phosphorus	ppm ASTM D6130	0	97	---	---
Boron	ppm ASTM D6130	0	2	---	---
Molybdenum	ppm ASTM D6130	950	1002	---	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130		0	---	---
Aluminum	ppm ASTM D6130		0	---	---
Copper	ppm ASTM D6130		4	---	---
Lead	ppm ASTM D6130		0	---	---
Tin	ppm ASTM D6130		0	---	---
Zinc	ppm ASTM D6130		0	---	---

CONTAMINANTS

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

CARRIER SALTS

	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		5432	---	---
Potassium	ppm ASTM D6130		895	---	---



SCALE POTENTIAL

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

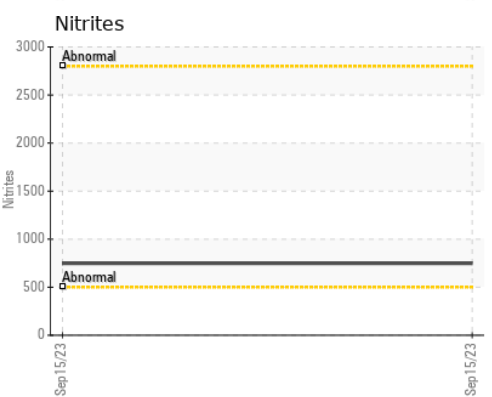
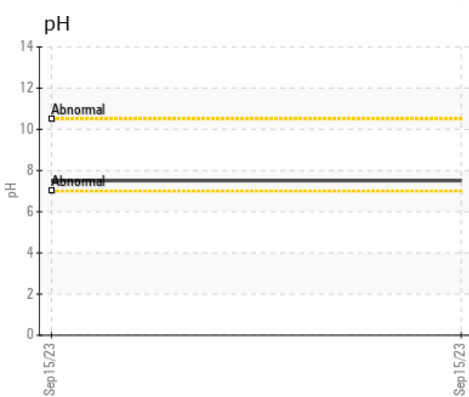
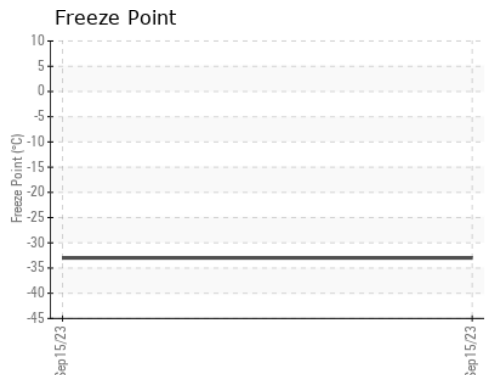
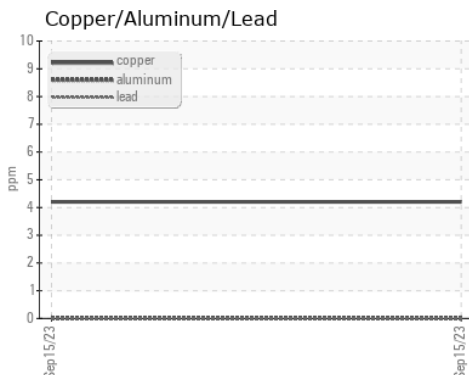
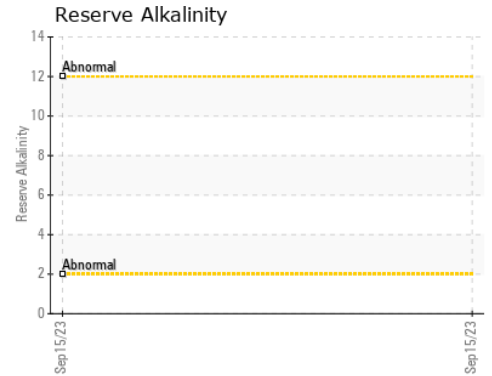
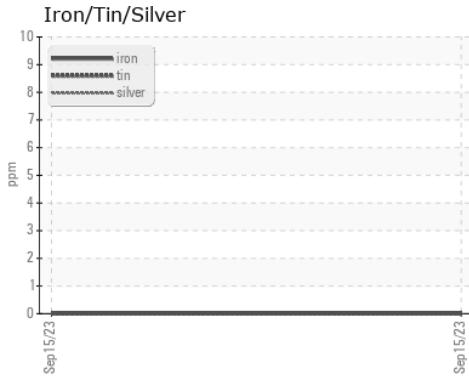


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0848979 **Received** : 27 Sep 2023
Lab Number : 05962610 **Diagnosed** : 03 Oct 2023
Unique Number : 10669161 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: SHAWN SOUTH
 shawn.south@sherwood.net

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)

T: x:
F: x: