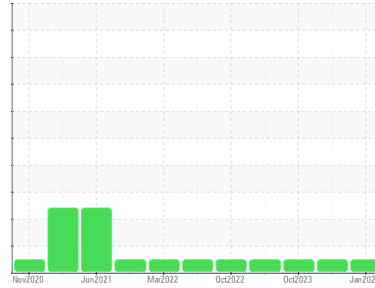




COOLANT REPORT

Sample Rating Trend



NORMAL



Machine Id
CATERPILLAR 299D SKIDSTEER 040-0019 (S/N CAT0299DAFD204356)
 Component
Coolant
 Fluid
DefendAL HD Antifreeze (--- QTS)

DIAGNOSIS

Recommendation

The fluid is suitable for further service.

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

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		WC0868419	WC0868391	WC0815229
Sample Date	Client Info		24 Jan 2024	21 Dec 2023	09 Oct 2023
Machine Age	hrs	Client Info	11409	11252	10384
Oil Age	hrs	Client Info	0	0	0
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	1.075	1.072	1.072	1.071
pH	Scale 0-14 ASTM D1287		8.15	8.14	8.15
Nitrites	ppm AP-053:2009	600	900	936	788
Reserve Alkalinity	Scale 0-20 *ASTM D1121	2.8	---	---	---
Percentage Glycol	% ASTM D3321	50	53.5	53.5	53.3
Freezing Point	°F ASTM D3321	-36	-43	-43	-43
Total Dissolved Solids			521.0	496.5	522.0
Carboxylate			n/a	n/a	n/a

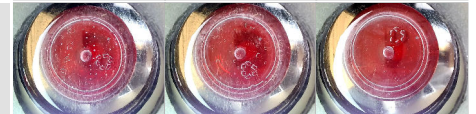
VISUAL

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

Color

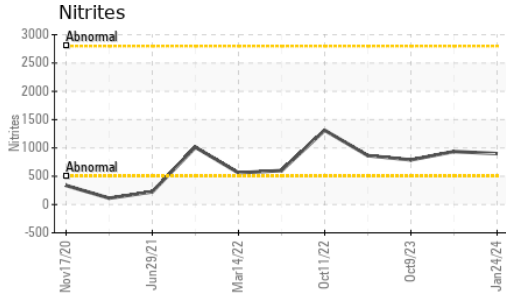


Bottom

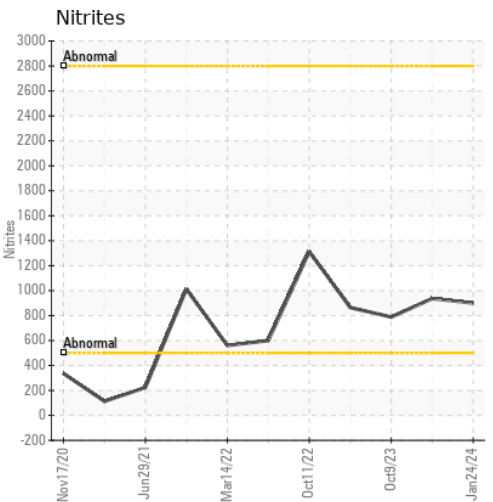
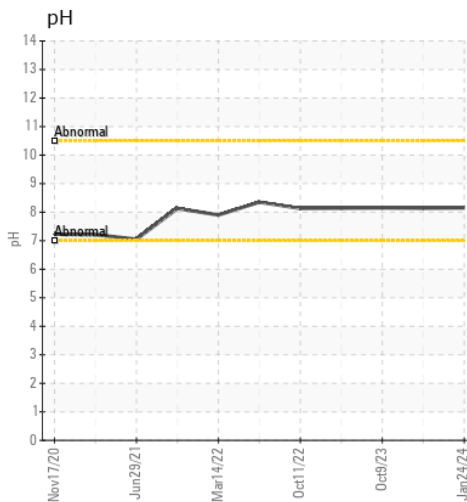
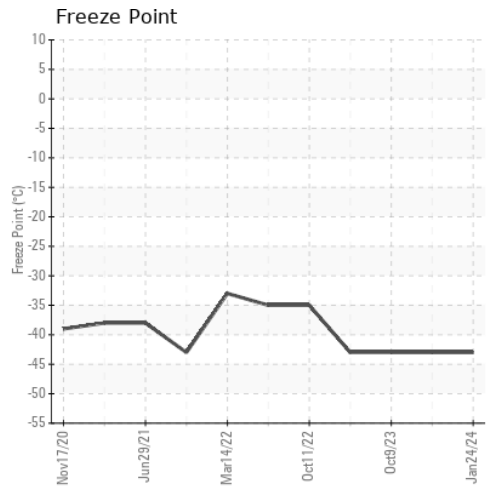
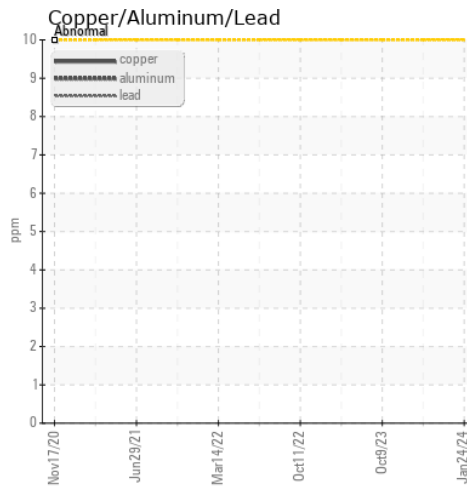
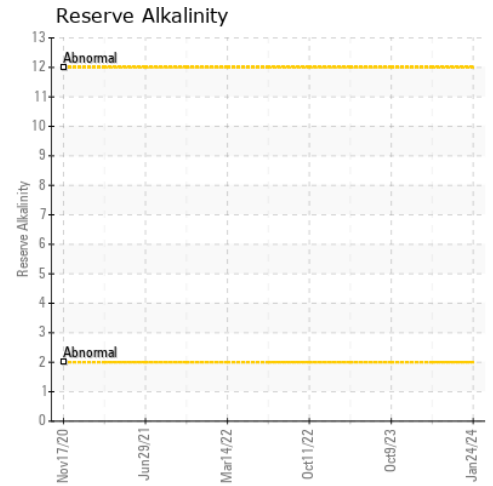
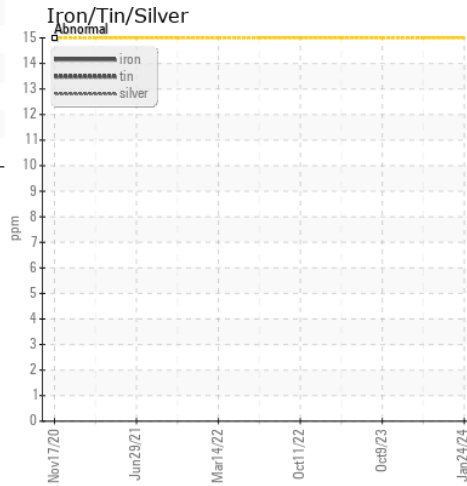




COOLANT REPORT



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868419 **Received** : 30 Jan 2024
Lab Number : 06074274 **Diagnosed** : 31 Jan 2024
Unique Number : 10856365 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL)

SHIMMICK CONSTRUCTION
 5535 TRAILHEAD DRIVE
 CHATTANOOGA, TN
 US 37415
 Contact: DANIEL LISELLA
 daniel.lisella@shimmick.com

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:
F: