



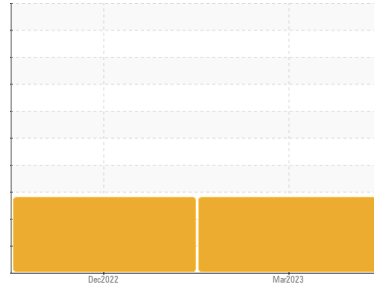
COOLANT REPORT

Sample Rating Trend

OFF SPEC



Machine Id
CATERPILLAR GM01
 Component
Auxiliary Circuit Coolant
 Fluid
Q8 60/40 (--- GAL)



DIAGNOSIS

▲ Recommendation

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications.

Contaminants

There is no indication of any contamination in the coolant.

▲ Coolant Condition

The glycol level is lower than acceptable. The nitrite 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		WC0660979	WC0660984	---
Sample Date	Client Info		27 Mar 2023	29 Dec 2022	---
Machine Age	hrs	Client Info	20028	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	ABNORMAL	---

PHYSICAL TEST RESULTS

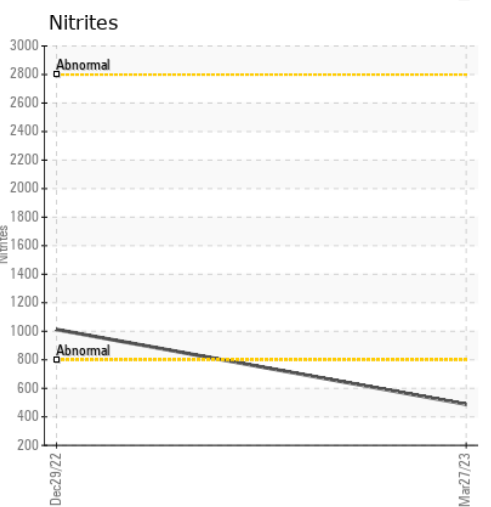
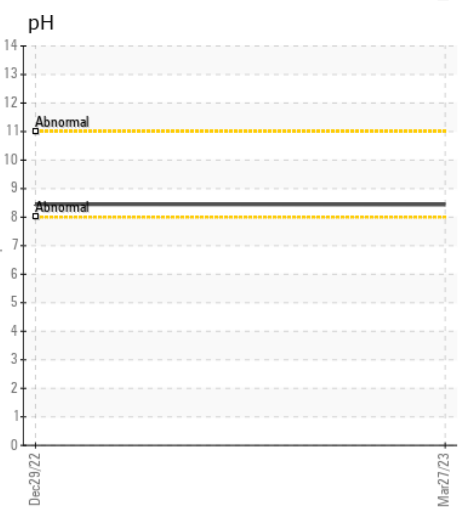
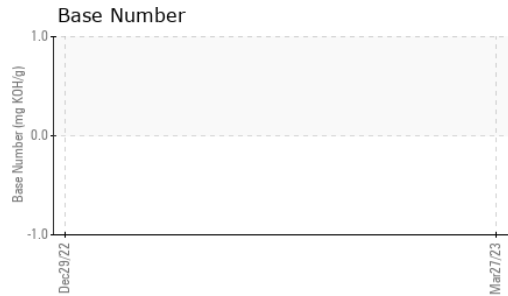
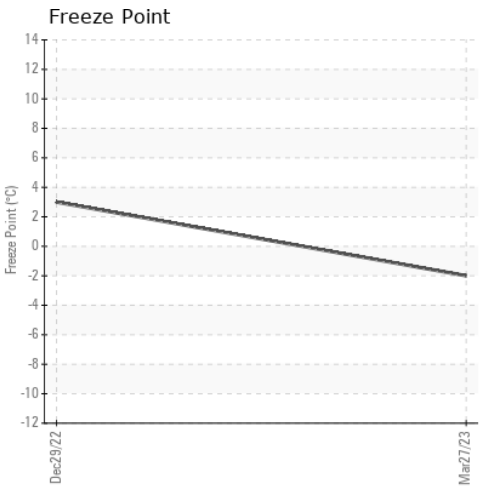
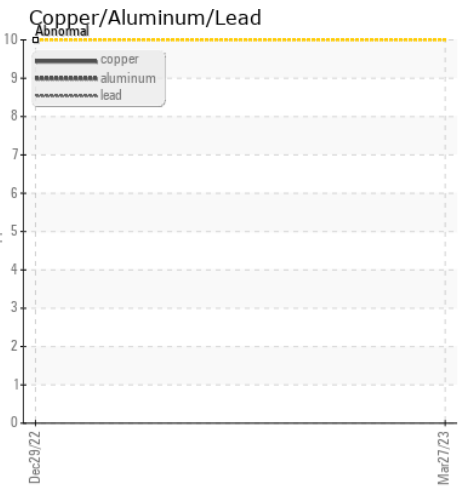
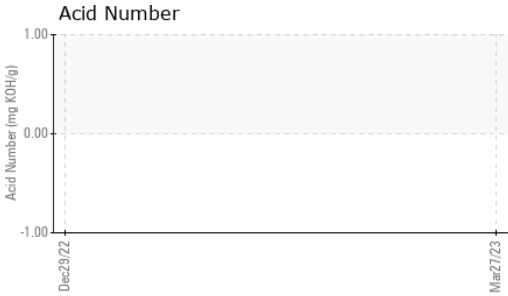
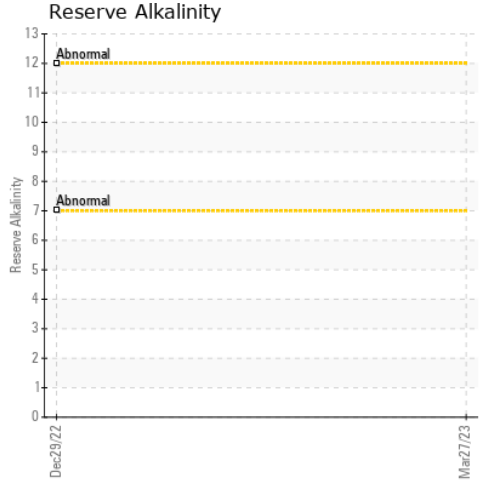
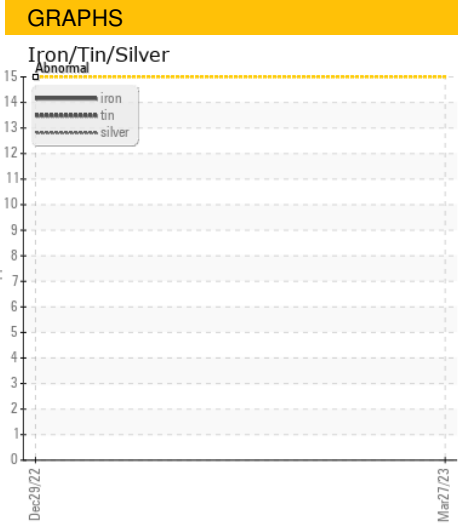
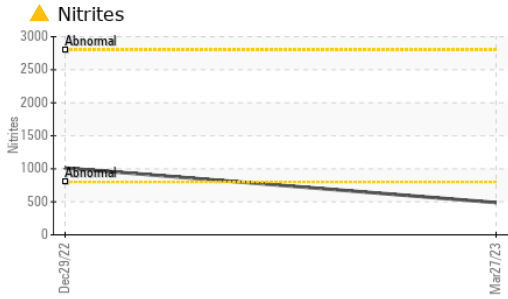
	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.046	1.042	---
pH	Scale 0-14 ASTM D1287		8.44	8.45	---
Nitrites	ppm AP-053:2009		488	1012	---
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		▲ 34.0	▲ 31.6	---
Freezing Point	°F ASTM D3321		-2	3	---
Total Dissolved Solids			193.5	159.0	---
Carboxylate			fail	n/a	---

VISUAL

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



COOLANT REPORT



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0660979 **Received** : 28 Mar 2023
Lab Number : 05804444 **Diagnosed** : 31 Mar 2023
Unique Number : 10401973 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, TAN Man, TBN)

OAK GROVE KS
 1150 E 700TH AVE
 ARCADIA, KS
 US 66711
 Contact: KALEB WEAVER
 kaleb.weaver@cubedistrictenergy.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: