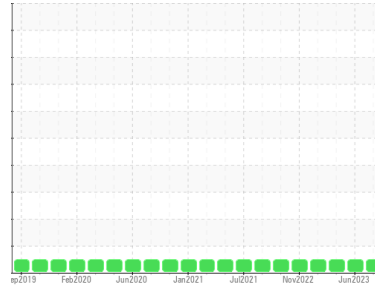




COOLANT REPORT

Sample Rating Trend

NORMAL



Area
Kentucky
 Machine Id
[Kentucky] Coolant - Port Genset
 Component
Coolant
 Fluid
CATERPILLAR ELC (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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

Carboxylate test failed. 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			WC0769171	WC0769200	WC0719519
Sample Date	Client Info			11 Jul 2023	09 Jun 2023	20 Feb 2023
Machine Age	hrs	Client Info		16461	15963	0
Oil Age	hrs	Client Info		16461	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		1.065	1.066	1.065
pH	Scale 0-14	ASTM D1287		8.29	8.22	7.86
Nitrites	ppm	AP-053:2009		488	636	600
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		48.5	48.9	48.6
Freezing Point	°F	ASTM D3321		-31	-31	-31
Total Dissolved Solids				277.0	335.0	292.0
Carboxylate				fail	pass	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	46	10	18
Phosphorus	ppm	ASTM D6130	0	0	0	0
Boron	ppm	ASTM D6130	0	31	<1	30
Molybdenum	ppm	ASTM D6130	950	1167	1200	894

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	1	0	<1
Aluminum	ppm	ASTM D6130	>10	<1	0	0
Copper	ppm	ASTM D6130	>10	2	0	2
Lead	ppm	ASTM D6130	>10	0	0	<1
Tin	ppm	ASTM D6130	>10	0	0	0
Zinc	ppm	ASTM D6130		0	0	0

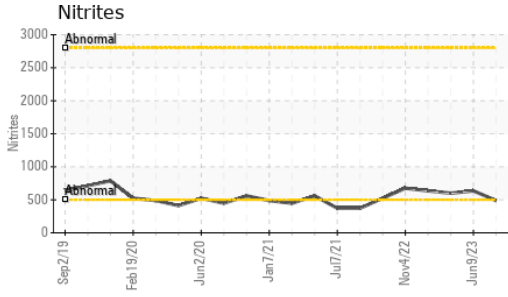
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		12	0	31

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		6267	5849	5847
Potassium	ppm	ASTM D6130		56	0	22

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		32	41	10
Magnesium	ppm	ASTM D6130		4	3	4

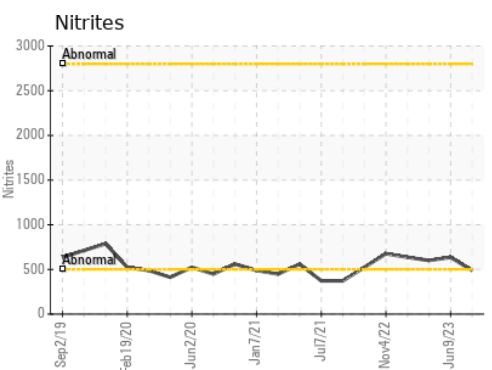
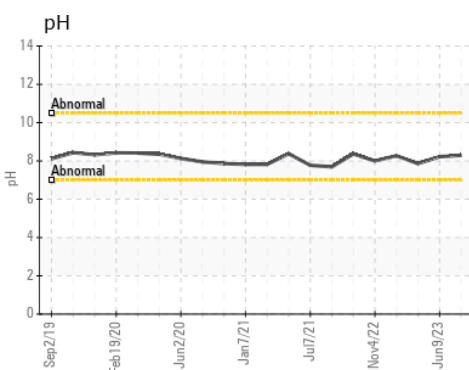
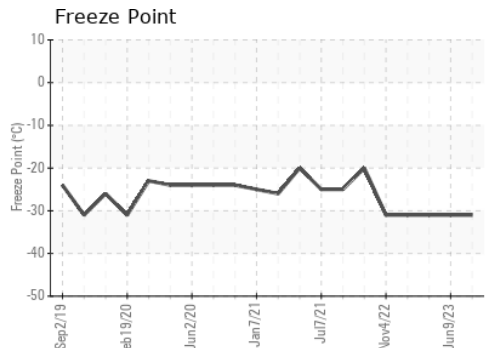
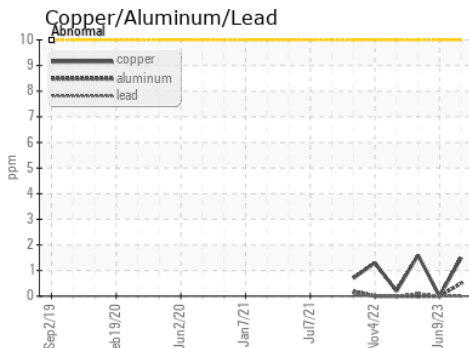
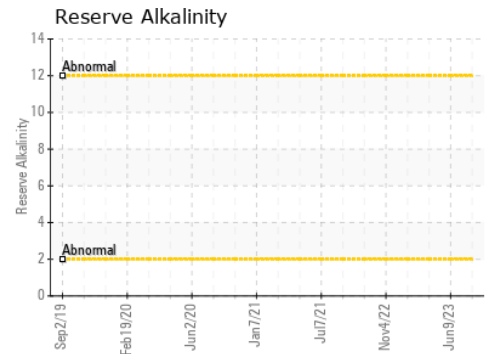
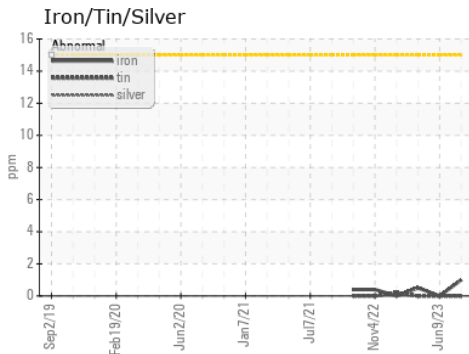


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0769171 **Received** : 17 Jul 2023
Lab Number : 05900366 **Diagnosed** : 20 Jul 2023
Unique Number : 10561722 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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 CATLETTSBURG, KY
 US 41169
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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)