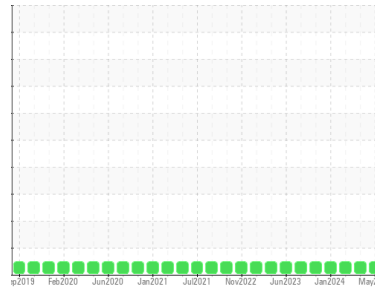




# COOLANT REPORT

## 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		<b>WC0874593</b>	WC0845804	WC0860055
Sample Date	Client Info		<b>25 May 2024</b>	25 Apr 2024	16 Mar 2024
Machine Age	hrs	Client Info	<b>20102</b>	19646	0
Oil Age	hrs	Client Info	<b>20102</b>	19646	0
Oil Changed		Client Info	<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

### PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		<b>---</b>	---	---
Specific Gravity	*ASTM D1298		<b>1.065</b>	1.065	1.067
pH	Scale 0-14	ASTM D1287	<b>8.32</b>	8.27	7.65
Nitrites	ppm	AP-053:2009	<b>636</b>	936	936
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321	<b>48.1</b>	48.6	49.2
Freezing Point	°F	ASTM D3321	<b>-31</b>	-31	-33
Total Dissolved Solids			<b>325.5</b>	349.5	335.5
Carboxylate			<b>fail</b>	fail	fail

### CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	<b>5</b>	4
Phosphorus	ppm	ASTM D6130	0	<b>4</b>	0
Boron	ppm	ASTM D6130	0	<b>4</b>	0
Molybdenum	ppm	ASTM D6130	950	<b>591</b>	674

### CORROSION

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

### CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		<b>6</b>	5

### CARRIER SALTS

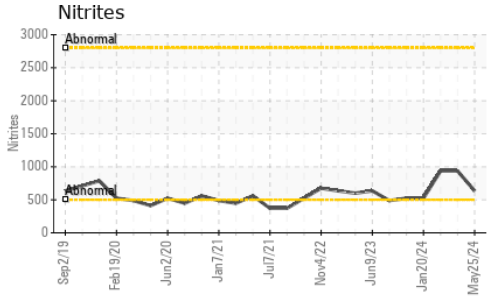
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		<b>4031</b>	4458
Potassium	ppm	ASTM D6130		<b>6</b>	7

### SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		<b>13</b>	16
Magnesium	ppm	ASTM D6130		<b>2</b>	2

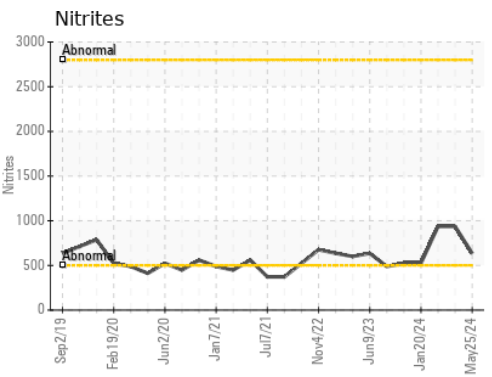
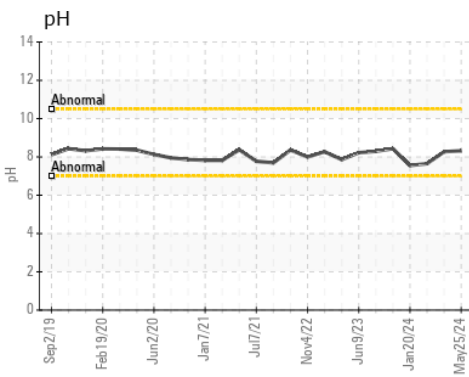
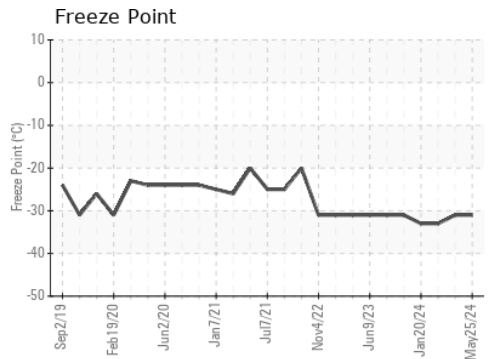
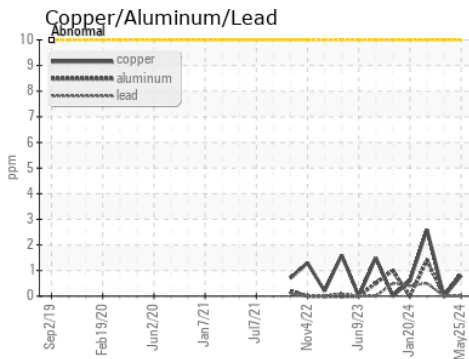
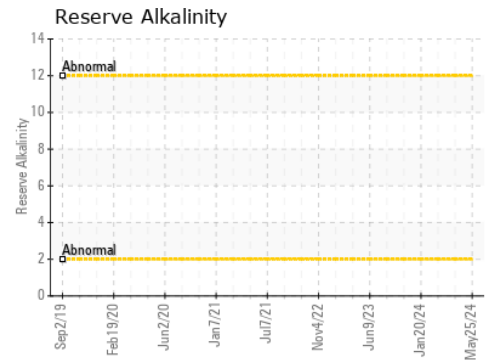
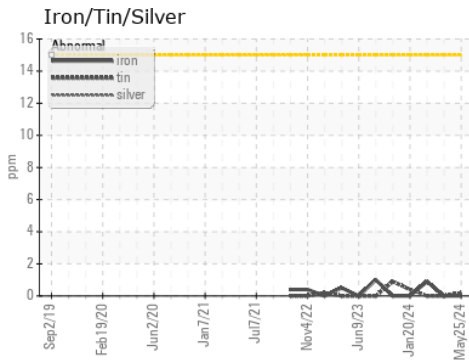


# COOLANT REPORT



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.** : WC0874593  
**Lab Number** : 06201953  
**Unique Number** : 11069414  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KF )  
**Received** : 06 Jun 2024  
**Tested** : 11 Jun 2024  
**Diagnosed** : 11 Jun 2024 - Jonathan Hester

**MARATHON PETROLEUM CO.**  
 101 12TH ST  
 CATLETTSBURG, KY  
 US 41169  
 Contact: CORY GUMBERT  
 cagumbert@marathonpetroleum.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)