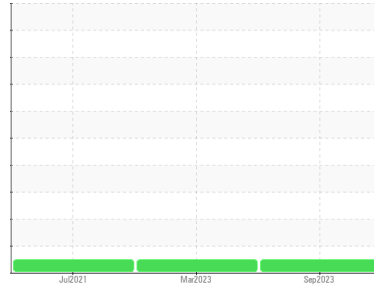




# COOLANT REPORT

Sample Rating Trend

**NORMAL**



Area  
**Map Runner**  
 Machine Id  
**[Map Runner] Coolant - Forward Genset**  
 Component  
**Coolant**  
 Fluid  
**CAT EXTENDED LIFE COOLANT (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>WC0805577</b>	RP0015802	RP0015863
Sample Date	Client Info	<b>21 Sep 2023</b>	15 Mar 2023	01 Jul 2021
Machine Age	hrs	Client Info	<b>0</b>	20306
Oil Age	hrs	Client Info	<b>8521</b>	395
Oil Changed	Client Info	<b>N/A</b>	N/A	Not Changd
Sample Status		<b>NORMAL</b>	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	<b>1.039</b>	1.040	---
pH	Scale 0-14 ASTM D1287	<b>8.62</b>	7.65	8.78
Nitrites	ppm AP-053:2009	<b>448</b>	600	112
Reserve Alkalinity	Scale 0-20 *ASTM D1121	<b>---</b>	---	---
Percentage Glycol	% ASTM D3321	<b>29.3</b>	29.8	27
Freezing Point	°F ASTM D3321	<b>5</b>	5	+6
Total Dissolved Solids		<b>193.0</b>	225.5	196.5
Carboxylate		<b>fail</b>	fail	pass

## CORROSION INHIBITORS

method	limit/base	current	history1	history2	
Silicon	ppm ASTM D6130	0	<b>26</b>	38	24
Phosphorus	ppm ASTM D6130	0	<b>0</b>	0	0
Boron	ppm ASTM D6130	0	<b>3</b>	0	4
Molybdenum	ppm ASTM D6130	950	<b>391</b>	511	633

## CORROSION

method	limit/base	current	history1	history2	
Iron	ppm ASTM D6130	>15	<b>0</b>	3	2
Aluminum	ppm ASTM D6130	>10	<b>0</b>	0	0
Copper	ppm ASTM D6130	>10	<b>&lt;1</b>	<1	<1
Lead	ppm ASTM D6130	>10	<b>0</b>	0	0
Tin	ppm ASTM D6130	>10	<b>0</b>	0	0
Zinc	ppm ASTM D6130		<b>0</b>	<1	<1

## CONTAMINANTS

method	limit/base	current	history1	history2	
Chlorine	ppm ASTM D6130		<b>32</b>	40	54

## CARRIER SALTS

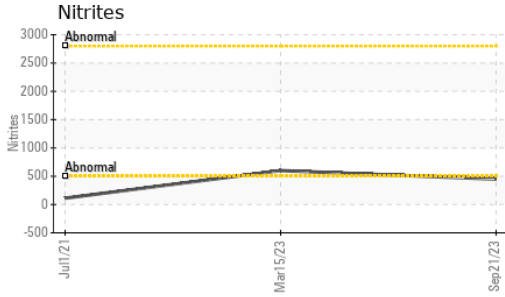
method	limit/base	current	history1	history2	
Sodium	ppm ASTM D6130		<b>4407</b>	4812	2125
Potassium	ppm ASTM D6130		<b>0</b>	53	12

## SCALE POTENTIAL

method	limit/base	current	history1	history2	
Calcium	ppm ASTM D6130		<b>16</b>	15	26
Magnesium	ppm ASTM D6130		<b>8</b>	9	5

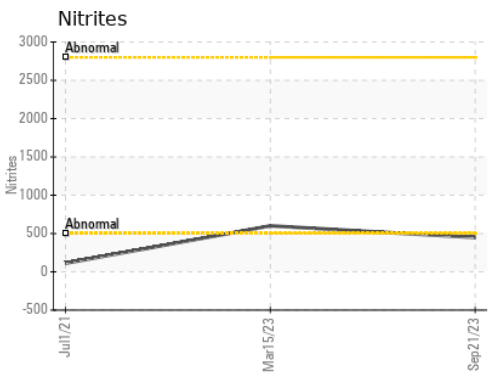
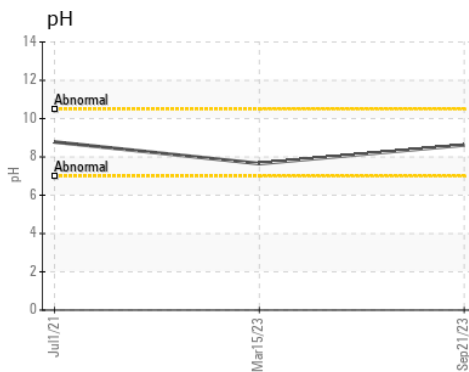
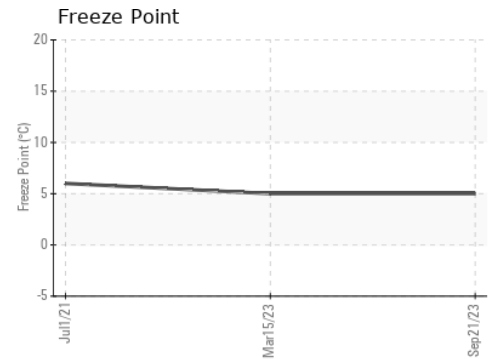
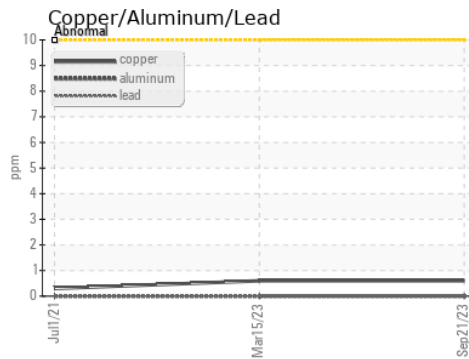
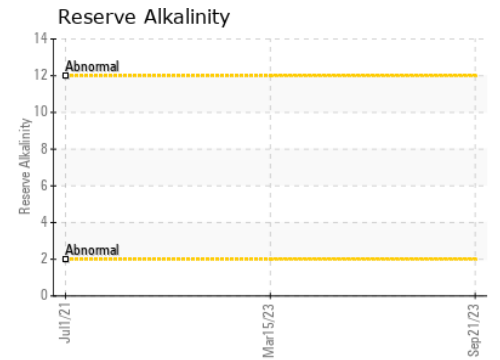
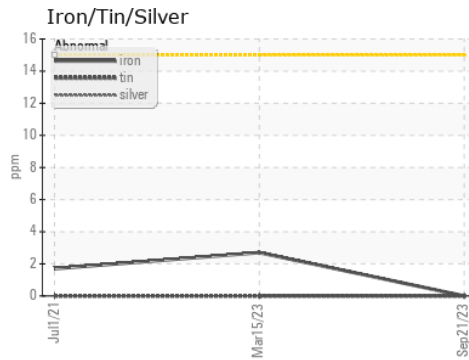


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0805577 **Received** : 25 Sep 2023  
**Lab Number** : 05960908 **Diagnosed** : 28 Sep 2023  
**Unique Number** : 10662121 **Diagnostician** : Doug Bogart  
**Test Package** : COOL- ( Additional Tests: COOL, ICP, KF )

**MARATHON PETROLEUM CO.**  
 101 12TH ST  
 CATLETTSBURG, KY  
 US 41169  
 Contact: CORY GUMBERT  
 cagumbert@marathonpetroleum.com  
 T: (606)585-3950  
 F: x:

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)