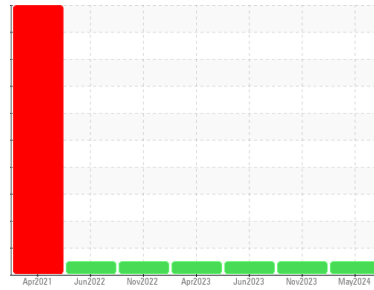




# COOLANT REPORT

Sample Rating Trend



NORMAL



Area

Nashville

Machine Id

[Nashville] Coolant - Port Genset

Component

Coolant

Fluid

HYBRID (HOAT) COOLANT (--- 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		WC0769317	WC0805242	WC0683266
Sample Date	Client Info		13 May 2024	27 Nov 2023	13 Jun 2023
Machine Age	hrs	Client Info	0	9454	8018
Oil Age	hrs	Client Info	0	9454	0
Oil Changed	Client Info		N/A	Not Changd	Not Changd
Sample Status			NORMAL	NORMAL	NORMAL

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.053	1.052	1.053
pH	Scale 0-14	ASTM D1287	8.30	8.32	8.46
Nitrites	ppm	AP-053:2009	748	524	488
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	38.9	38.8	39.1
Freezing Point	°F	ASTM D3321	-9	-9	-11
Total Dissolved Solids			309.5	235.0	264.0
Carboxylate			fail	fail	pass

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	11	227	37
Phosphorus	ppm	ASTM D6130	0	<1	8
Boron	ppm	ASTM D6130	2	9	35
Molybdenum	ppm	ASTM D6130	214	220	520

## CORROSION

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

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130	9	11	32

## CARRIER SALTS

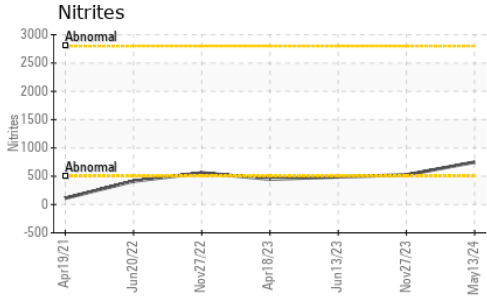
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130	3599	2804	5516
Potassium	ppm	ASTM D6130	9	7	96

## SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130	19	18	30
Magnesium	ppm	ASTM D6130	5	5	8

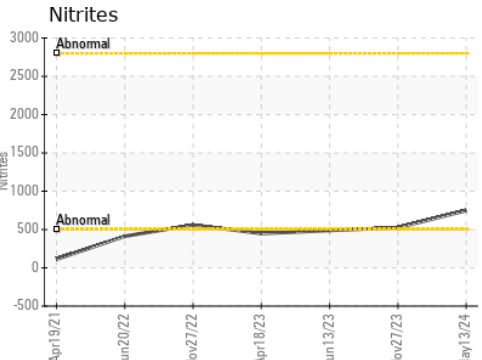
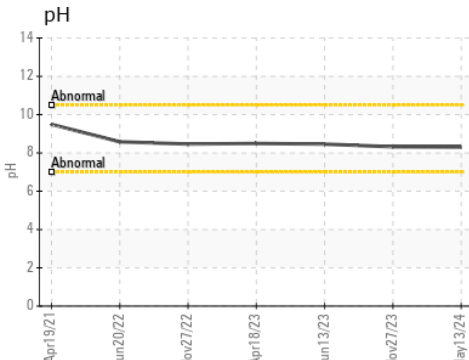
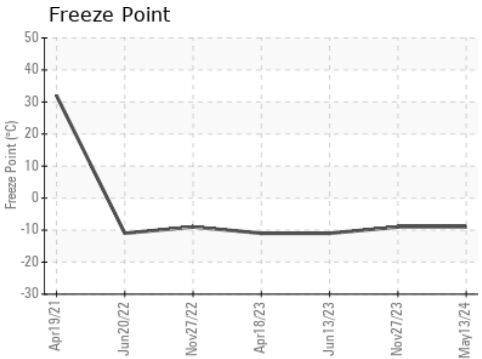
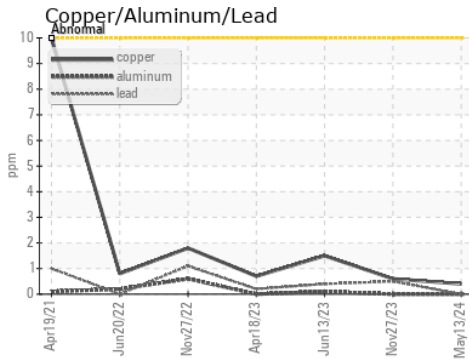
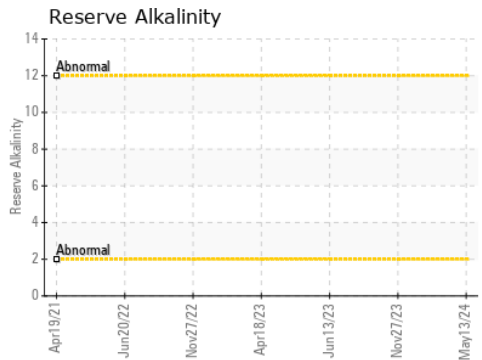
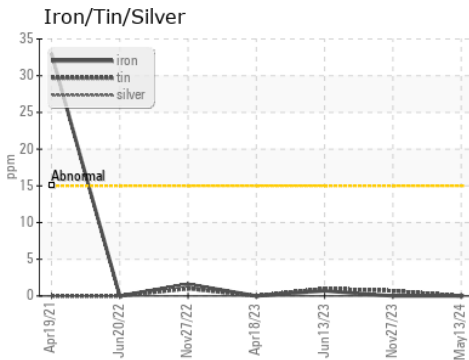


# COOLANT REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0769317  
**Lab Number** : 06181898  
**Unique Number** : 11033224  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )  
**Received** : 16 May 2024  
**Tested** : 24 May 2024  
**Diagnosed** : 24 May 2024 - Jonathan Hester

**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)