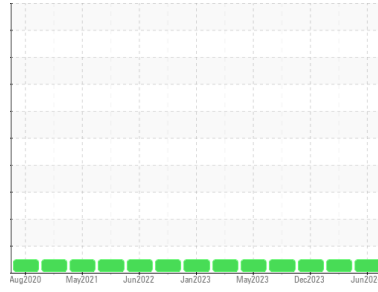




COOLANT REPORT

Sample Rating Trend



NORMAL



Area

Canton

Machine Id

[Canton] Coolant - Port Genset

Component

Port 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		WC0874580	WC0805417	WC0805399
Sample Date	Client Info		18 Jun 2024	22 Apr 2024	14 Dec 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed		Client Info	N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.056	1.055	1.046
pH	Scale 0-14	ASTM D1287	10.0	9.99	9.91
Nitrites	ppm	AP-053:2009	0	6576	4884
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	41.2	40.2	34.2
Freezing Point	°F	ASTM D3321	-15	-13	-2
Total Dissolved Solids			1619	1543	1248
Carboxylate			fail	fail	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	112	108	99
Phosphorus	ppm	ASTM D6130	0	2172	2397	2042
Boron	ppm	ASTM D6130	0	47	21	1
Molybdenum	ppm	ASTM D6130	950	1759	2014	1572

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		109	111	90

CARRIER SALTS

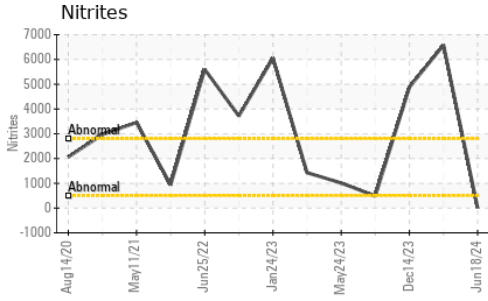
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		8199	10443	7600
Potassium	ppm	ASTM D6130		6507	7833	6572




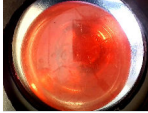

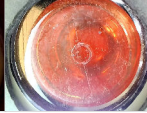
SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		<1	2	<1
Magnesium	ppm	ASTM D6130		<1	<1	<1

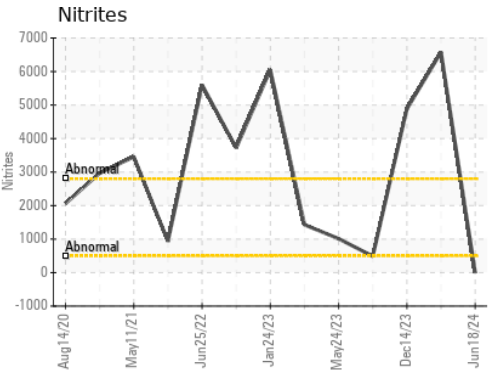
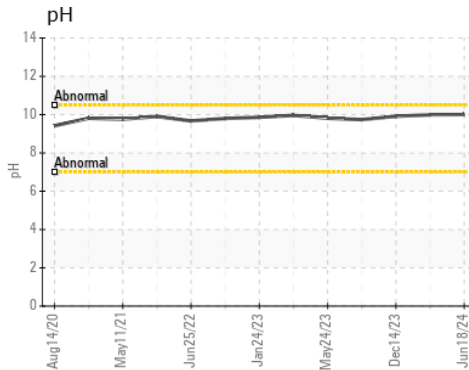
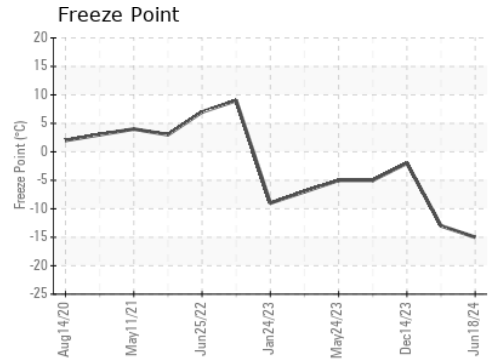
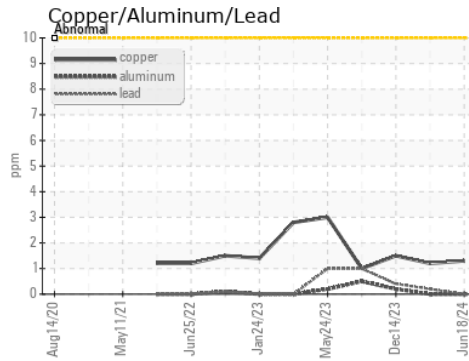
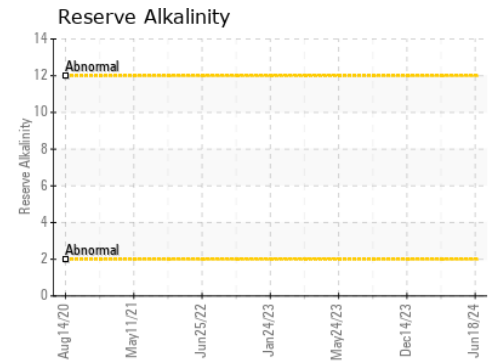
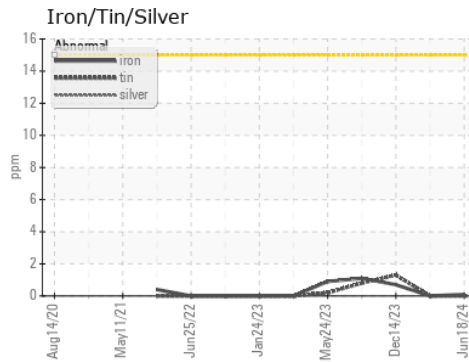


COOLANT REPORT



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. : WC0874580 **Received** : 25 Jun 2024
Lab Number : 06220316 **Tested** : 27 Jun 2024
Unique Number : 11098513 **Diagnosed** : 27 Jun 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: GlycolType, ICP, KF)

MARATHON PETROLEUM CO.
 101 12TH ST
 CATLETTSBURG, KY
 US 41169
 Contact: M/V CANTON
 mvcanton@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)