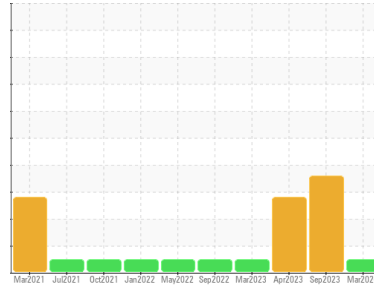




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
Tri State
 Machine Id
[Tri State] Coolant - Port Genset
 Component
Port Coolant
 Fluid
EXTENDED LIFE COOLANT (--- GAL)

DIAGNOSIS

Recommendation

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. The nitrite level is acceptable. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0874860	WC0805323	WC0719433
Sample Date	Client Info			29 Mar 2024	26 Sep 2023	24 Apr 2023
Machine Age	hrs	Client Info		0	11585	5890
Oil Age	hrs	Client Info		0	0	5890
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			---	---	---
Specific Gravity	*ASTM D1298			1.049	1.003	1.093
pH	Scale 0-14	ASTM D1287		7.79	7.56	7.09
Nitrites	ppm	AP-053:2009		712	184	636
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		36.3	▲ 6.0	▲ 72.9
Freezing Point	°F	ASTM D3321		-5	29	-65
Total Dissolved Solids				314.0	52.5	362.0
Carboxylate				fail	fail	fail

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130		14	15	136
Phosphorus	ppm	ASTM D6130		3	<1	483
Boron	ppm	ASTM D6130		0	10	801
Molybdenum	ppm	ASTM D6130		569	32	19

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	3	2	5
Aluminum	ppm	ASTM D6130	>10	<1	<1	0
Copper	ppm	ASTM D6130	>10	1	1	11
Lead	ppm	ASTM D6130	>10	<1	1	0
Tin	ppm	ASTM D6130	>10	<1	<1	0
Zinc	ppm	ASTM D6130		0	1	4

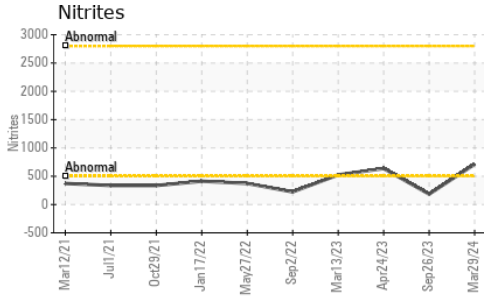
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		6	20	34

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		3596	604	2522
Potassium	ppm	ASTM D6130		9	29	3965

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		4	19	2
Magnesium	ppm	ASTM D6130		3	9	<1

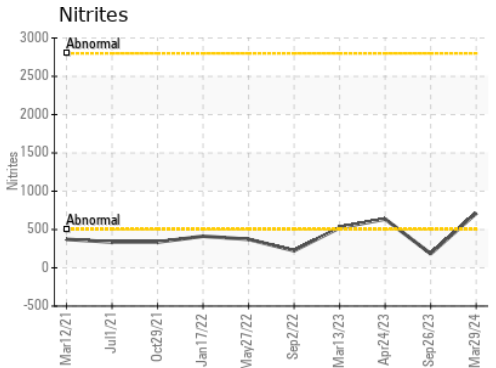
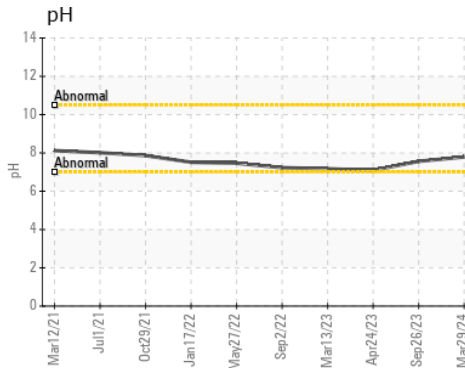
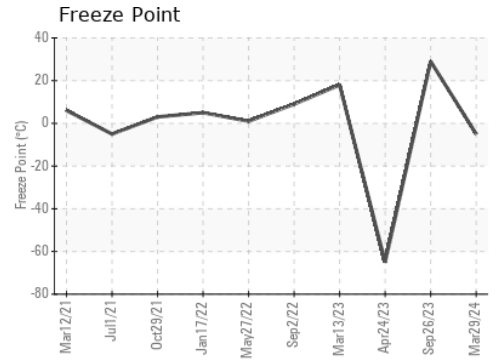
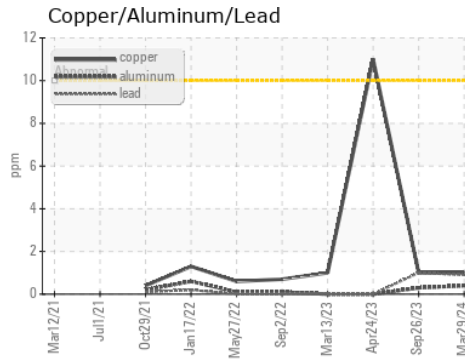
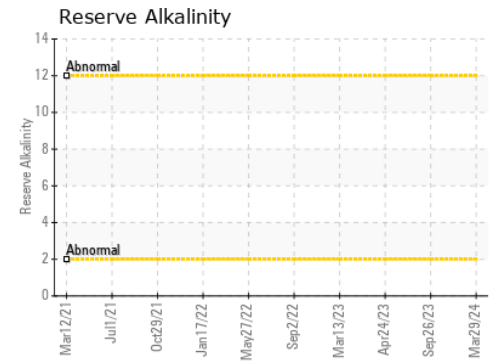
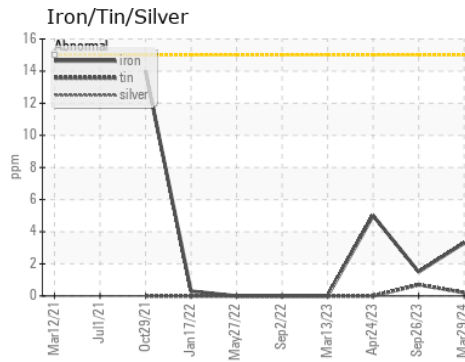


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0874860
Lab Number : 06140432
Unique Number : 10965240
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KF)

Received : 05 Apr 2024
Tested : 10 Apr 2024
Diagnosed : 10 Apr 2024 - Jonathan Hester

MARATHON PETROLEUM CO.
 101 12TH ST
 CATLETTSBURG, KY
 US 41169

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: CORY GUMBERT
 cagumbert@marathonpetroleum.com

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (606)585-3950

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x: