



COOLANT REPORT

Sample Rating Trend



NORMAL



Area

Tampa

Machine Id

[Tampa] Coolant - Port Main Engine (Jacket)

Component

Coolant

Fluid

{not provided} (--- 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			WC0874676	---	---
Sample Date	Client Info			09 May 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				NORMAL	---	---

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			---	---	---
Specific Gravity	*ASTM D1298			1.059	---	---
pH	Scale 0-14	ASTM D1287		7.79	---	---
Nitrites	ppm	AP-053:2009		712	---	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		43.5	---	---
Freezing Point	°F	ASTM D3321		-19	---	---
Total Dissolved Solids				341.5	---	---
Carboxylate				fail	---	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130		8	---	---
Phosphorus	ppm	ASTM D6130		0	---	---
Boron	ppm	ASTM D6130		0	---	---
Molybdenum	ppm	ASTM D6130		521	---	---

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

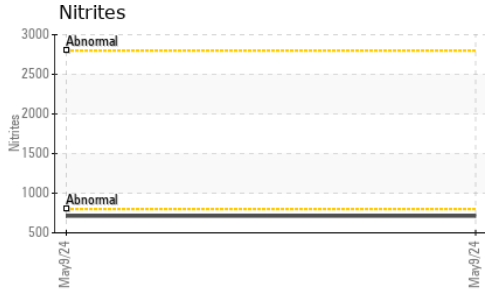
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		67	---	---



CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		4255	---	---
Potassium	ppm	ASTM D6130		10	---	---

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		10	---	---
Magnesium	ppm	ASTM D6130		11	---	---

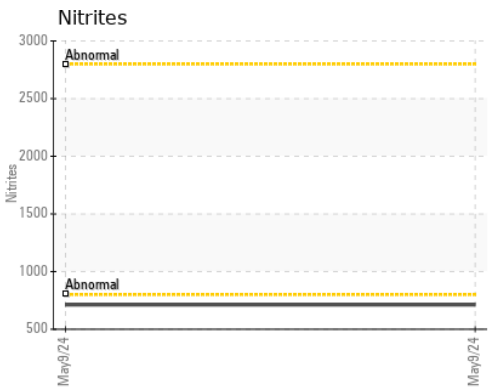
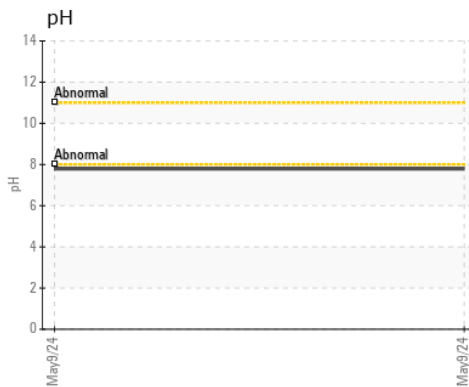
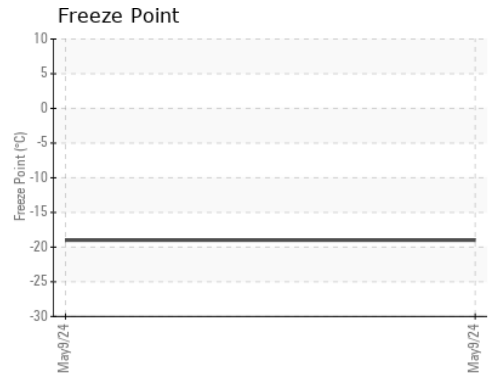
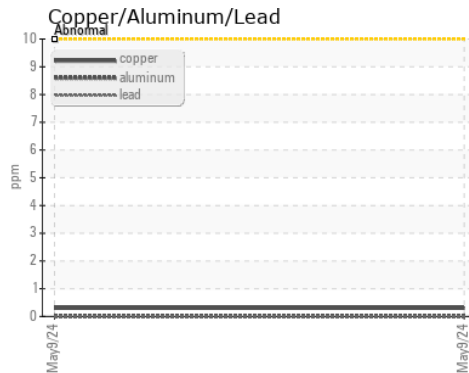
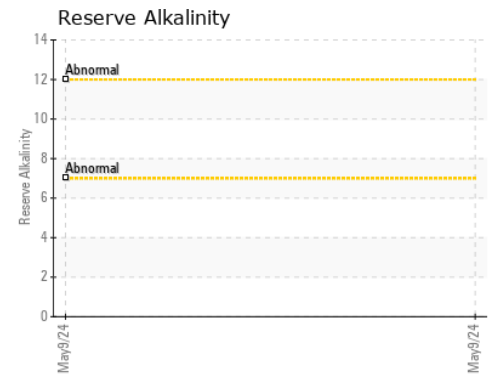
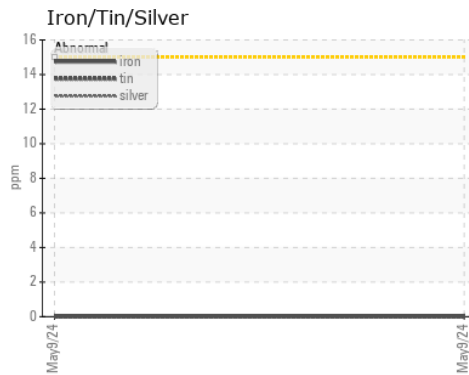


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Red	---	---
Coolant Appearance	*Visual	Clear	normal	---	---
Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0874676 **Received** : 16 May 2024
Lab Number : **06181901** **Tested** : 24 May 2024
Unique Number : 11033227 **Diagnosed** : 24 May 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KF)

MARATHON PETROLEUM CO.
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 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)

T: (606)585-3950

F: x: