

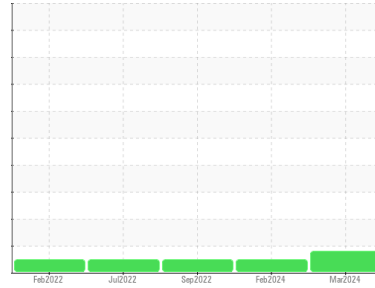


COOLANT REPORT

Sample Rating Trend

APPEARANCE

Area
Patoka
 Machine Id
[Patoka] Coolant - Starboard Genset
 Component
Coolant
 Fluid
EXTENDED LIFE COOLANT (35 GAL)



DIAGNOSIS

Recommendation

We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations. (Customer Sample Comment: J. Harvey)

Corrosion

All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

Sediment present.

Coolant Condition

The carboxylate level of this fluid is acceptable. 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		WC0860085	WC0805573	WC0719145
Sample Date	Client Info		09 Mar 2024	26 Feb 2024	18 Sep 2022
Machine Age	hrs	Client Info	3264	0	9481
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	Not Changd
Sample Status			ABNORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.054	1.052	1.060
pH	Scale 0-14 ASTM D1287		9.82	9.44	9.78
Nitrites	ppm AP-053:2009		448	448	676
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321		39.4	38.3	44.9
Freezing Point	°F ASTM D3321		-11	-9	-21
Total Dissolved Solids			263.5	243.0	329.5
Carboxylate			fail	fail	pass

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130		3	2	13
Phosphorus	ppm ASTM D6130		0	<1	0
Boron	ppm ASTM D6130		0	0	3
Molybdenum	ppm ASTM D6130		509	500	1123

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	4	3	<1
Aluminum	ppm ASTM D6130	>10	3	2	7
Copper	ppm ASTM D6130	>10	1	2	2
Lead	ppm ASTM D6130	>10	<1	2	<1
Tin	ppm ASTM D6130	>10	0	0	<1
Zinc	ppm ASTM D6130		<1	<1	0

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		2	7	0

CARRIER SALTS

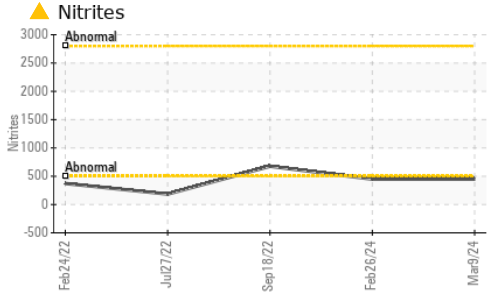
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		3411	3119	4596
Potassium	ppm ASTM D6130		12	7	105

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		2	3	<1
Magnesium	ppm ASTM D6130		0	<1	0

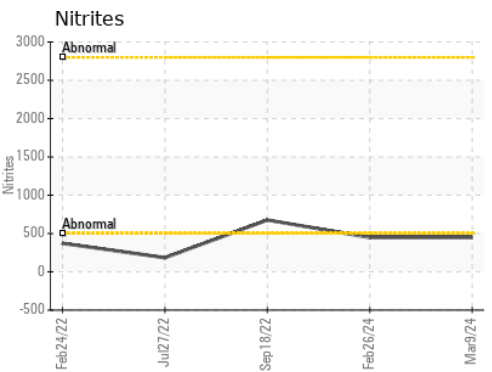
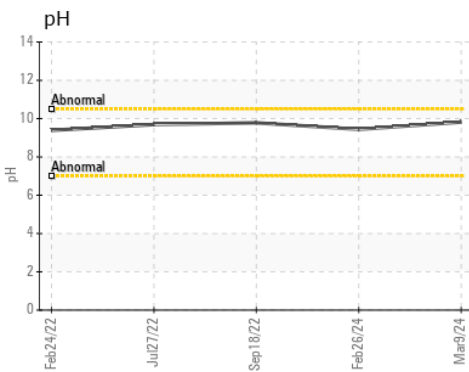
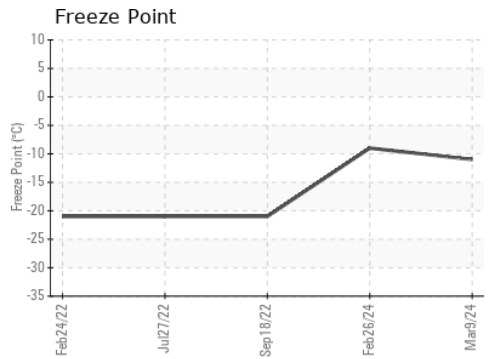
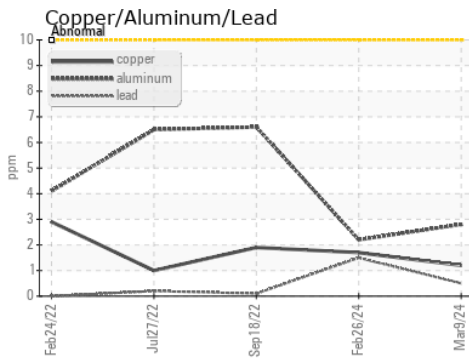
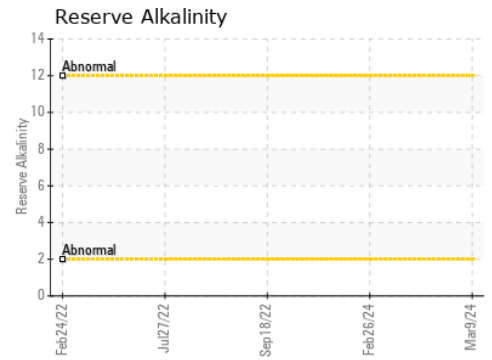
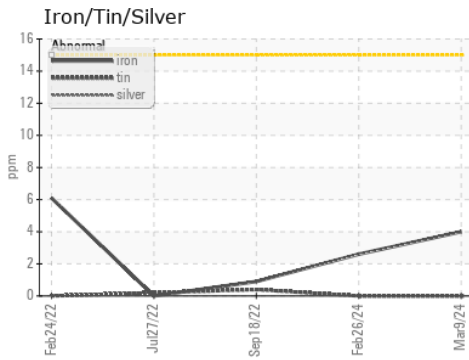


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0860085

Lab Number : 06131274

Unique Number : 10950739

Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KF)

Received : 27 Mar 2024

Tested : 02 Apr 2024

Diagnosed : 02 Apr 2024 - Jonathan Hester

MARATHON PETROLEUM CO.

101 12TH ST

CATLETTSBURG, KY

US 41169

Contact: CORY GUMBERT

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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)