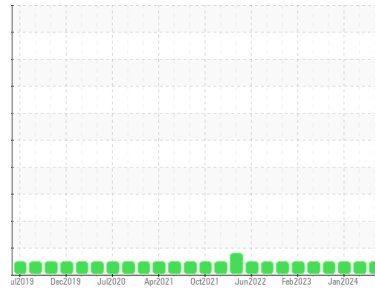




COOLANT REPORT

Sample Rating Trend



NORMAL



Area

Kentucky

Machine Id

[Kentucky] Coolant - Starboard Genset

Component

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			WC0845800	WC0874824	WC0845762
Sample Date	Client Info			25 Apr 2024	16 Mar 2024	20 Jan 2024
Machine Age	hrs	Client Info		8272	0	0
Oil Age	hrs	Client Info		8272	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			1.066	1.067	1.067
pH	Scale 0-14	ASTM D1287		7.88	7.99	7.85
Nitrites	ppm	AP-053:2009		824	676	524
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		49.0	49.3	49.2
Freezing Point	°F	ASTM D3321		-33	-33	-33
Total Dissolved Solids				326.0	322.0	344.5
Carboxylate				fail	fail	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	7	6	6
Phosphorus	ppm	ASTM D6130	0	0	0	0
Boron	ppm	ASTM D6130	0	0	8	5
Molybdenum	ppm	ASTM D6130	950	547	446	401

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

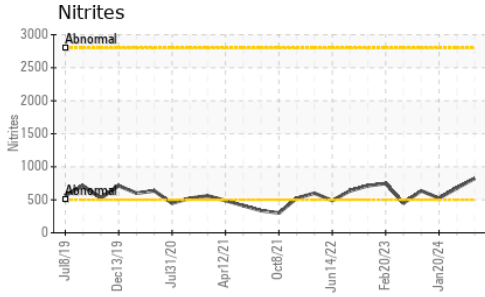
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		7	4	7

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		4479	4078	4465
Potassium	ppm	ASTM D6130		6	13	9

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		6	8	12
Magnesium	ppm	ASTM D6130		2	3	2

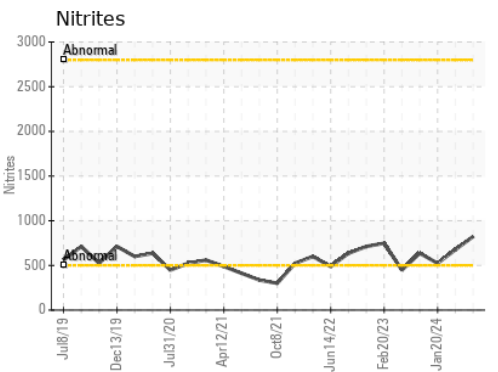
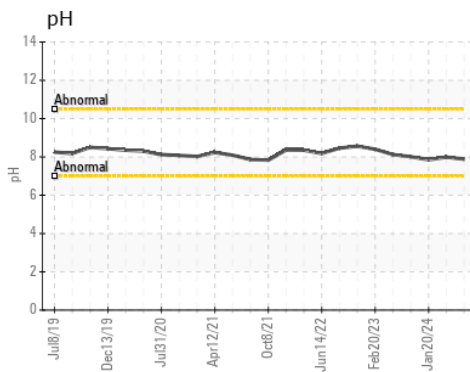
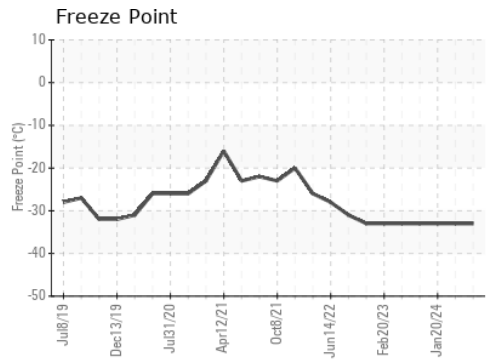
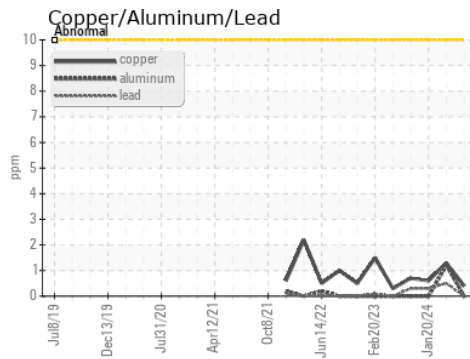
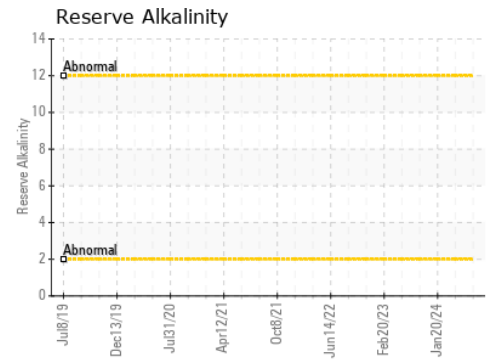
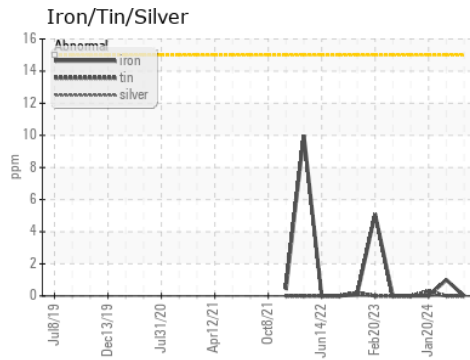


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0845800
Lab Number : 06181904
Unique Number : 11033230
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KF)

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

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: