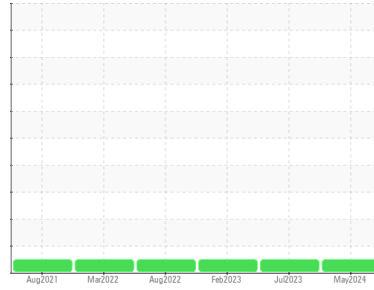




COOLANT REPORT

Sample Rating Trend



NORMAL



Area

Kenova

Machine Id

[Kenova] Coolant - Starboard Genset

Component

Coolant

Fluid

HYBRID (HOAT) COOLANT (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service. (Customer Sample Comment: Coolant)

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 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	WC0860078	WC0735556	WC0735268
Sample Date	Client Info	06 May 2024	30 Jul 2023	14 Feb 2023
Machine Age	hrs	2000	0	32792
Oil Age	hrs	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	1.057	1.058	1.059
pH	Scale 0-14	8.28	8.34	8.55
Nitrites	ppm	788	412	184
Reserve Alkalinity	Scale 0-20	---	---	---
Percentage Glycol	%	42.6	42.9	43.4
Freezing Point	°F	-17	-17	-19
Total Dissolved Solids		280.0	290.5	287.0
Carboxylate		fail	fail	fail

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm	12	28	46
Phosphorus	ppm	0	0	36
Boron	ppm	0	8	25
Molybdenum	ppm	490	740	1200

CORROSION

method	limit/base	current	history1	history2
Iron	ppm	0	<1	1
Aluminum	ppm	0	0	<1
Copper	ppm	0	1	2
Lead	ppm	0	<1	1
Tin	ppm	0	<1	1
Zinc	ppm	0	0	1

CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm	7	27	49

CARRIER SALTS

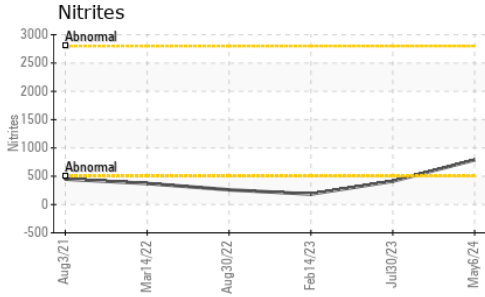
method	limit/base	current	history1	history2
Sodium	ppm	4184	4738	5929
Potassium	ppm	8	12	183





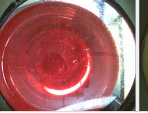

SCALE POTENTIAL

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

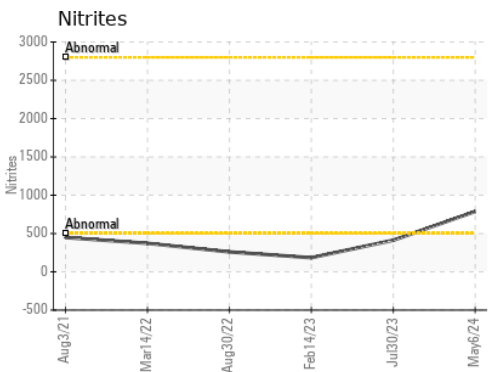
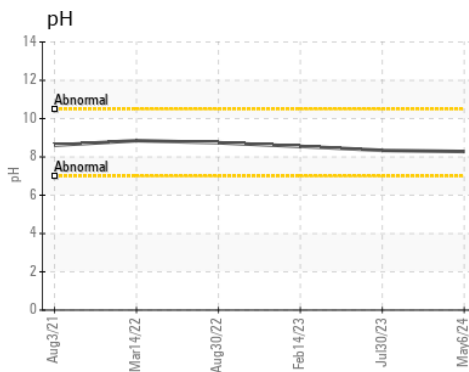
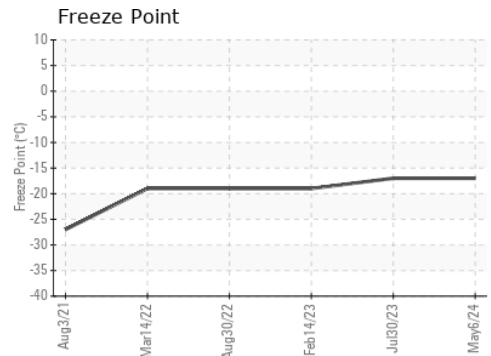
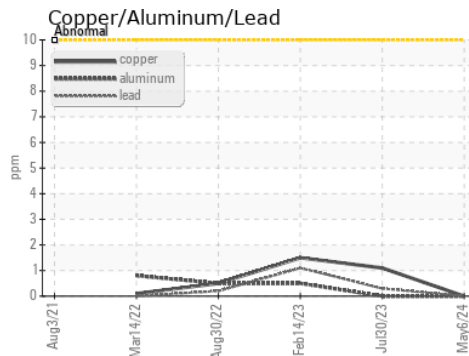
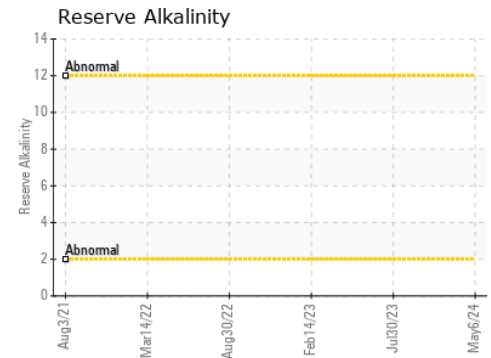
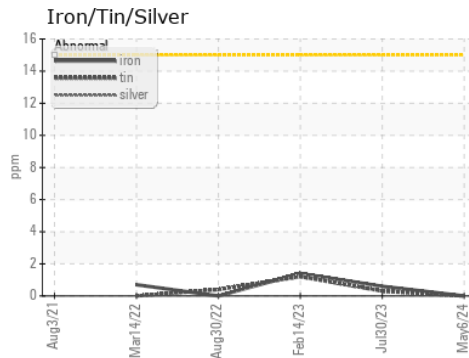


COOLANT REPORT



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. : WC0860078 **Received** : 16 May 2024
Lab Number : 06181909 **Tested** : 24 May 2024
Unique Number : 11033235 **Diagnosed** : 24 May 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KF)

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: