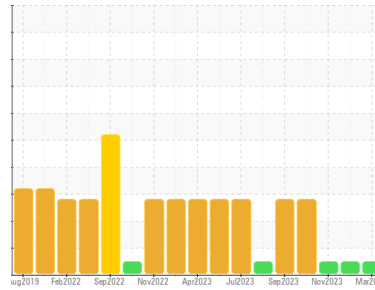




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
Martinsville
 Machine Id
[Martinsville] Coolant - Port Genset
 Component
Coolant
 Fluid
CATERPILLAR ELC (--- GAL)

DIAGNOSIS

Recommendation

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

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		WC0860097	WC0845974	WC0845979
Sample Date	Client Info		18 Mar 2024	23 Dec 2023	27 Nov 2023
Machine Age	hrs	Client Info	6973	6041	5525
Oil Age	hrs	Client Info	0	6041	5525
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		1.080	1.089	1.088
pH	Scale 0-14	ASTM D1287	7.83	7.76	7.71
Nitrites	ppm	AP-053:2009	712	636	748
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	60.9	69.7	68.5
Freezing Point	°F	ASTM D3321	-57	-66	-66
Total Dissolved Solids			683.0	681.5	715.0
Carboxylate			fail	fail	fail

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	20	22	18
Phosphorus	ppm	ASTM D6130	0	0	<1	9
Boron	ppm	ASTM D6130	0	148	158	140
Molybdenum	ppm	ASTM D6130	950	106	118	107

CORROSION

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

CONTAMINANTS

	method	limit/base	current	history1	history2	
Chlorine	ppm	ASTM D6130		272	277	234

CARRIER SALTS

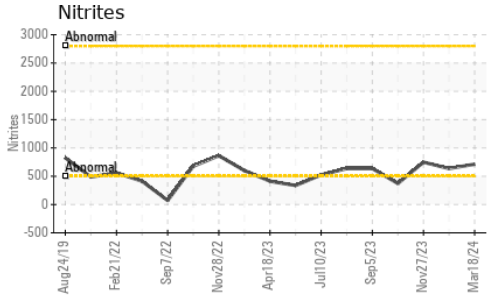
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		5171	5239	4353
Potassium	ppm	ASTM D6130		4666	4751	3842

SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		81	70	71
Magnesium	ppm	ASTM D6130		53	52	46

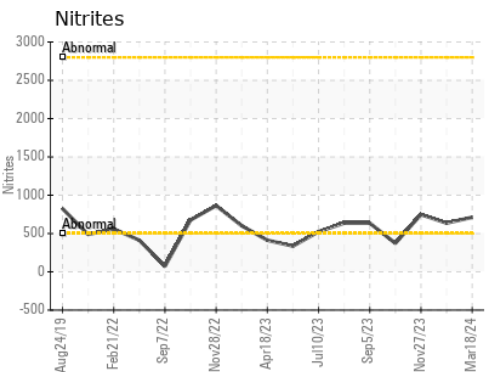
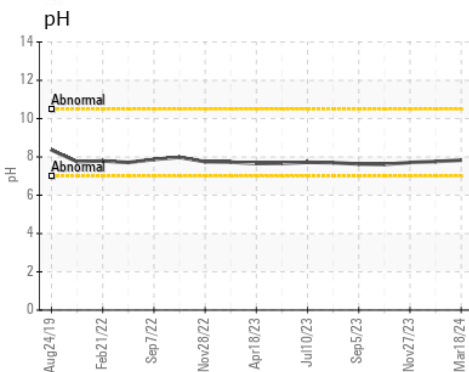
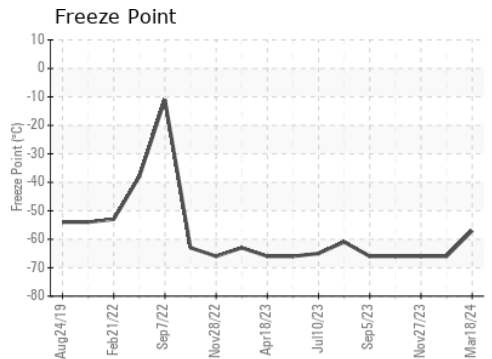
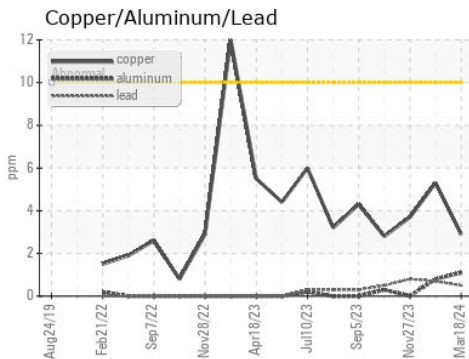
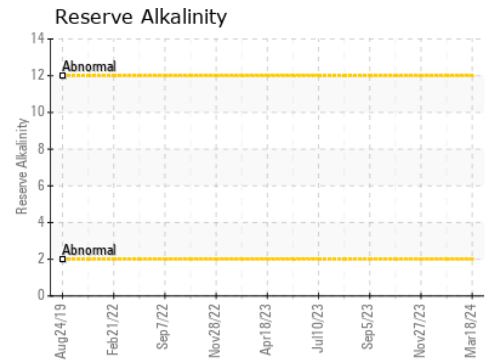
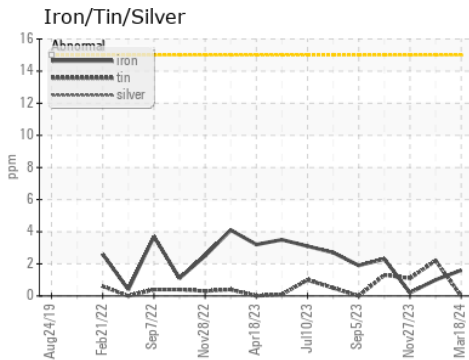


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0860097 **Received** : 27 Mar 2024
Lab Number : 06131269 **Tested** : 02 Apr 2024
Unique Number : 10950734 **Diagnosed** : 02 Apr 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: