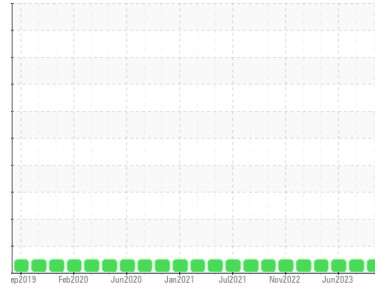




COOLANT REPORT

Sample Rating Trend

NORMAL



Area
Kentucky
 Machine Id
[Kentucky] 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.

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			WC0805481	WC0769171	WC0769200
Sample Date	Client Info			30 Oct 2023	11 Jul 2023	09 Jun 2023
Machine Age	hrs	Client Info		17839	16461	15963
Oil Age	hrs	Client Info		17839	16461	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		1.065	1.065	1.066
pH	Scale 0-14	ASTM D1287		8.43	8.29	8.22
Nitrites	ppm	AP-053:2009		524	488	636
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		48.4	48.5	48.9
Freezing Point	°F	ASTM D3321		-31	-31	-31
Total Dissolved Solids				366.0	277.0	335.0
Carboxylate				fail	fail	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	5	46	10
Phosphorus	ppm	ASTM D6130	0	<1	0	0
Boron	ppm	ASTM D6130	0	8	31	<1
Molybdenum	ppm	ASTM D6130	950	584	1167	1200

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

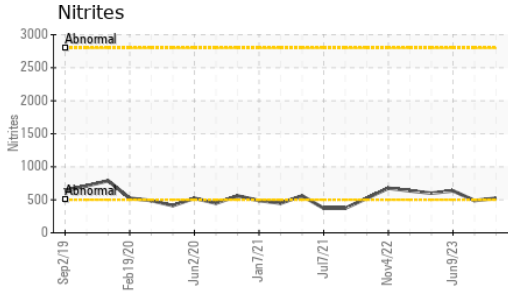
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		7	12	0


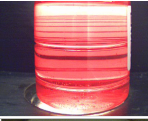




CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		3707	6267	5849
Potassium	ppm	ASTM D6130		6	56	0

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		14	32	41
Magnesium	ppm	ASTM D6130		3	4	3

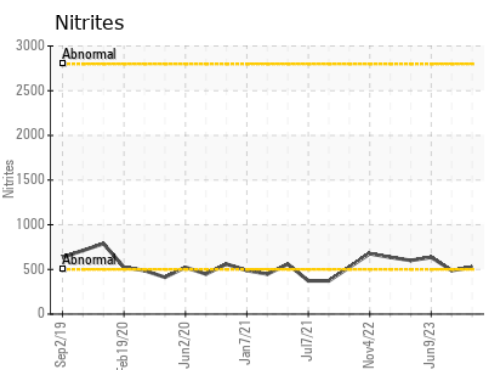
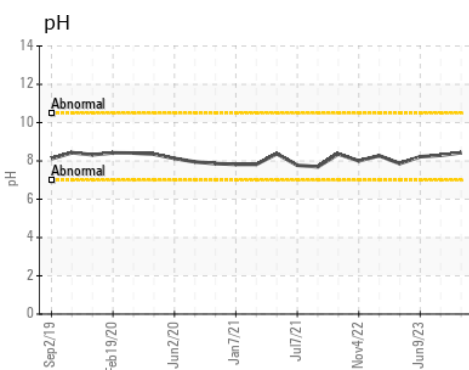
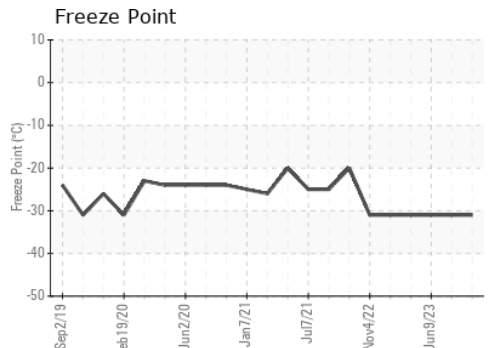
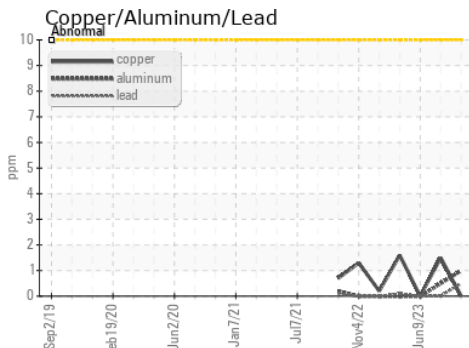
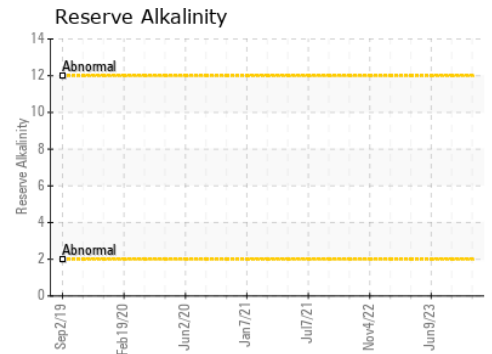
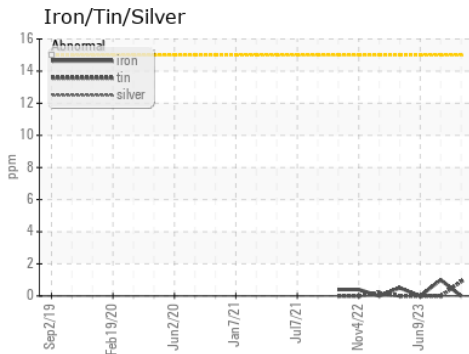


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0805481 **Received** : 06 Nov 2023
Lab Number : 05999505 **Diagnosed** : 15 Nov 2023
Unique Number : 10727865 **Diagnostician** : Doug Bogart
Test Package : COOL- (Additional Tests: COOL, ICP, KF)

MARATHON PETROLEUM CO.
 101 12TH ST
 CATLETTSBURG, KY
 US 41169
 Contact: CORY GUMBERT
 cagumbert@marathonpetroleum.com
 T: (606)585-3950
 F: :

Certificate L2367
 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)