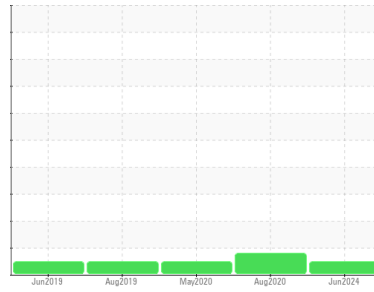




COOLANT REPORT

Sample Rating Trend



NORMAL



Area

Ohio Valley

Machine Id

[Ohio Valley] Coolant - Starboard Genset

Component

Coolant

Fluid

CATERPILLAR ELC (--- GAL)

DIAGNOSIS

Recommendation

The fluid is suitable for further service. Please note that this is a corrected copy for laboratory data and diagnostic comment updates.

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

The nitrite level is acceptable. The carboxylate level of this fluid 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			WC0719218	RP0004232	RP0003779
Sample Date	Client Info			06 Jun 2024	17 Aug 2020	01 May 2020
Machine Age	hrs	Client Info		220243	4085	2764
Oil Age	hrs	Client Info		20243	0	0
Oil Changed	Client Info			Not Chngd	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			---	---	---
Specific Gravity	*ASTM D1298			1.000	---	---
pH	Scale 0-14	ASTM D1287		7.82	9.27	7.27
Nitrites	ppm	AP-053:2009		372	412	224
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		2.8	0.0	0.0
Freezing Point	°F	ASTM D3321		31	+32	+32
Total Dissolved Solids				59.0	31.5	24.0
Carboxylate				fail	fail	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	2	8	3
Phosphorus	ppm	ASTM D6130	0	0	<1	0
Boron	ppm	ASTM D6130	0	<1	55	35
Molybdenum	ppm	ASTM D6130	950	9	1	0

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	0	▲ 24	<1
Aluminum	ppm	ASTM D6130	>10	<1	<1	0
Copper	ppm	ASTM D6130	>10	0	1	<1
Lead	ppm	ASTM D6130	>10	0	<1	<1
Tin	ppm	ASTM D6130	>10	0	0	0
Zinc	ppm	ASTM D6130		0	<1	0

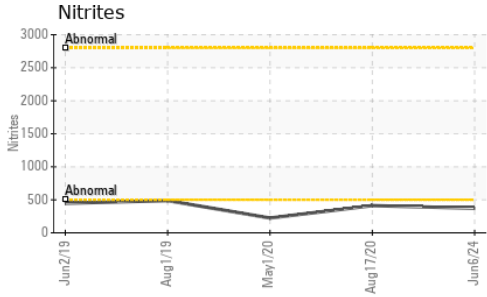
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		66	44	37

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		352	329	323
Potassium	ppm	ASTM D6130		26	7	10

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		81	3	4
Magnesium	ppm	ASTM D6130		23	<1	3

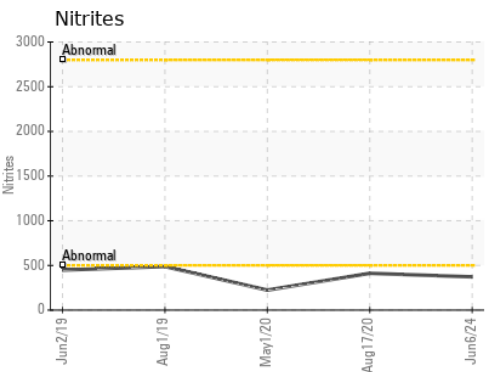
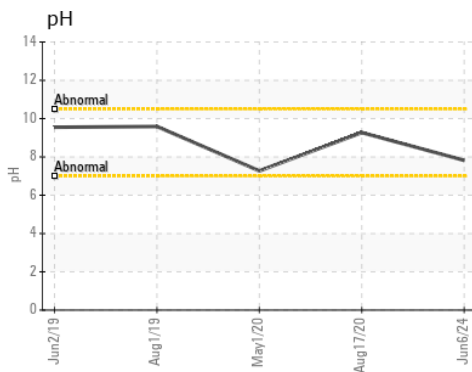
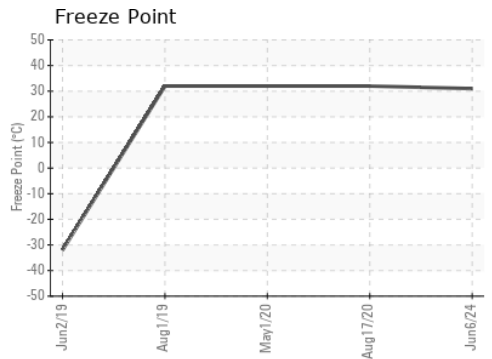
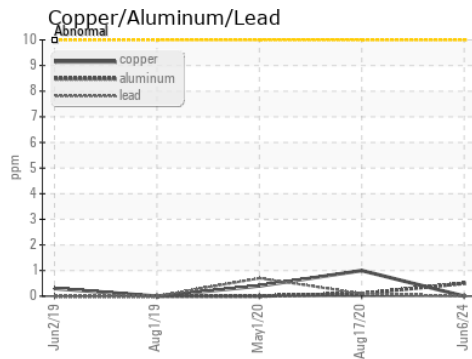
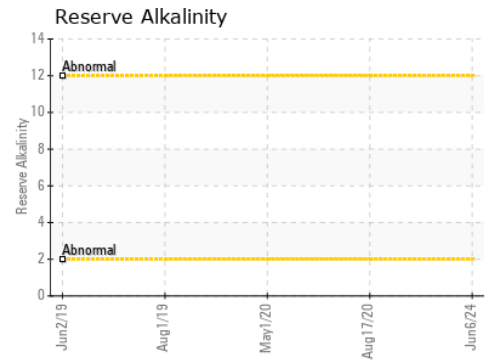
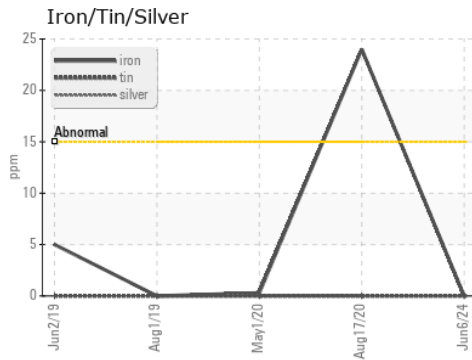


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0719218 **Received** : 14 Jun 2024
Lab Number : 06210648 **Tested** : 20 Jun 2024
Unique Number : 11083512 **Diagnosed** : 20 Jun 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: GlycolType, ICP)

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: