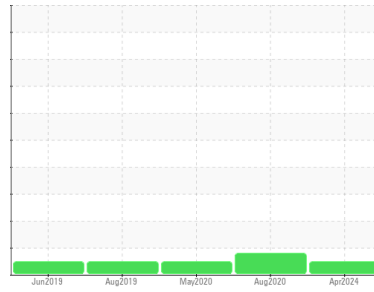




COOLANT REPORT

Sample Rating Trend



NORMAL



Area

Ohio Valley

Machine Id

[Ohio Valley] Coolant - Port Genset

Component

Coolant

Fluid

CATERPILLAR ELC (--- GAL)

DIAGNOSIS

Recommendation

Please submit a sample of the new (unused) cooling water to establish a baseline.

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 pH is high indicating a high basicity of the fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0845942	RP0004235	RP0003778
Sample Date	Client Info		04 Apr 2024	11 Aug 2020	01 May 2020
Machine Age	hrs	Client Info	14409	18392	19146
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	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	8.26	10.2	10.2
Nitrites	ppm	AP-053:2009	372	260	184
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	1.8	0.0	0.0
Freezing Point	°F	ASTM D3321	31	+32	+32
Total Dissolved Solids			30.0	34.0	20.0
Carboxylate			fail	pass	fail

CORROSION INHIBITORS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	0	1	12	7
Phosphorus	ppm	ASTM D6130	0	0	<1	0
Boron	ppm	ASTM D6130	0	0	60	20
Molybdenum	ppm	ASTM D6130	950	0	1	<1

CORROSION

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D6130	>15	0	▲ 20	12
Aluminum	ppm	ASTM D6130	>10	0	<1	<1
Copper	ppm	ASTM D6130	>10	0	2	<1
Lead	ppm	ASTM D6130	>10	0	<1	4
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		45	28	36

CARRIER SALTS

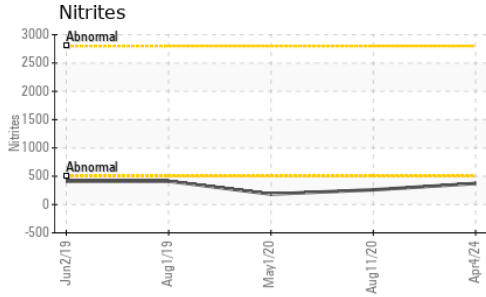
	method	limit/base	current	history1	history2	
Sodium	ppm	ASTM D6130		250	309	222
Potassium	ppm	ASTM D6130		5	6	12

SCALE POTENTIAL

	method	limit/base	current	history1	history2	
Calcium	ppm	ASTM D6130		28	5	<1
Magnesium	ppm	ASTM D6130		11	1	<1

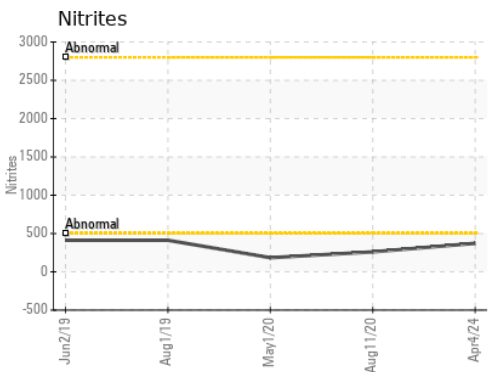
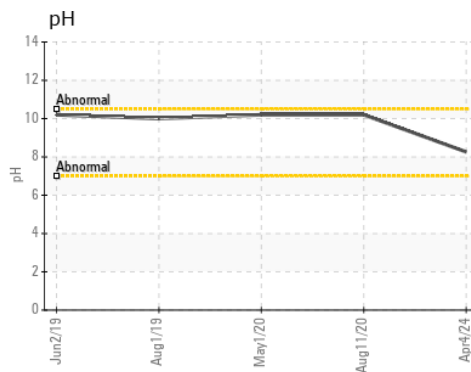
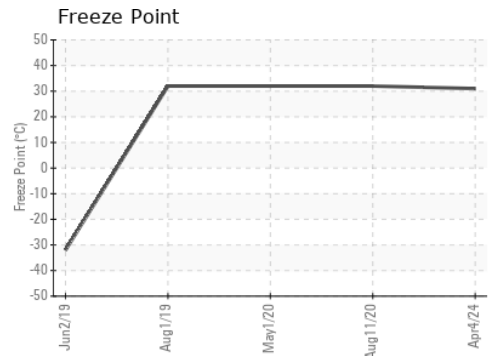
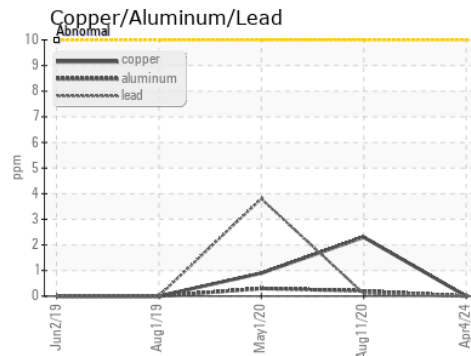
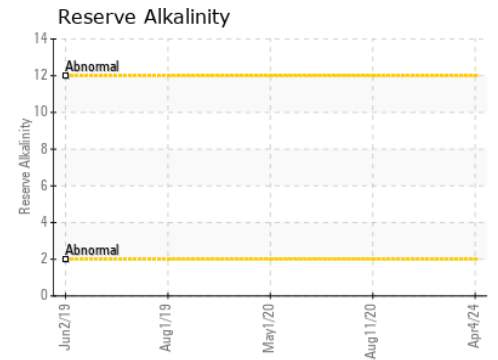
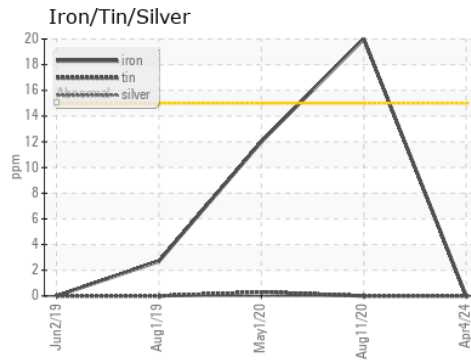


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0845942
Lab Number : 06158222
Unique Number : 10993645
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KF)

Received : 23 Apr 2024
Tested : 29 Apr 2024
Diagnosed : 29 Apr 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: