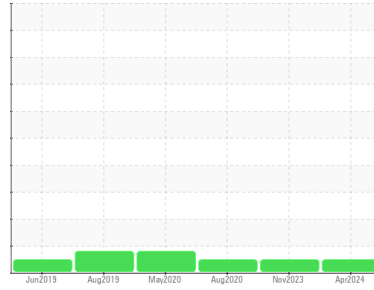




COOLANT REPORT

Sample Rating Trend



NORMAL



Area

Ohio Valley

Machine Id

[Ohio Valley] Coolant - Port Main Engine

Component

Coolant

Fluid

CATERPILLAR ELC (--- GAL)

DIAGNOSIS

Recommendation

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. The nitrite 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			WC0845993	WC0845956	RP0004233
Sample Date	Client Info			04 Apr 2024	25 Nov 2023	17 Aug 2020
Machine Age	hrs	Client Info		63605	60961	39676
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Glycol Type	FT-IR			---	---	---
Specific Gravity	*ASTM D1298			1.025	1.025	---
pH	Scale 0-14	ASTM D1287		8.25	8.51	9.42
Nitrites	ppm	AP-053:2009		676	712	448
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		19.9	19.9	0.0
Freezing Point	°F	ASTM D3321		17	17	+32
Total Dissolved Solids				171.0	171.0	39.5
Carboxylate				fail	fail	pass

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	22	23	38
Phosphorus	ppm	ASTM D6130	0	0	3	<1
Boron	ppm	ASTM D6130	0	68	73	76
Molybdenum	ppm	ASTM D6130	950	244	264	1

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

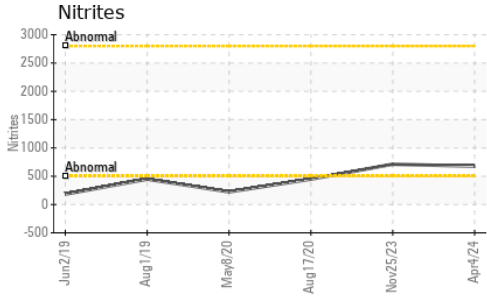
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		20	18	36

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		1955	2042	360
Potassium	ppm	ASTM D6130		7	10	4

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		20	16	13
Magnesium	ppm	ASTM D6130		<1	2	2

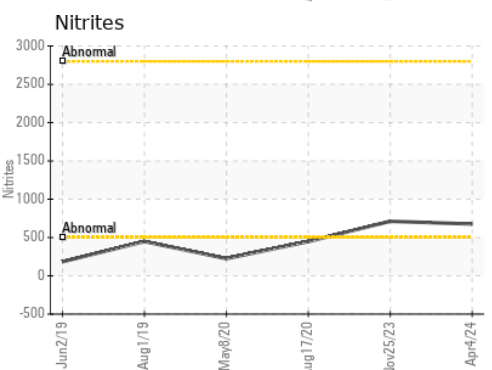
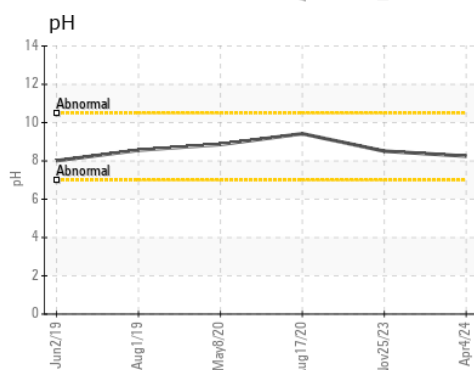
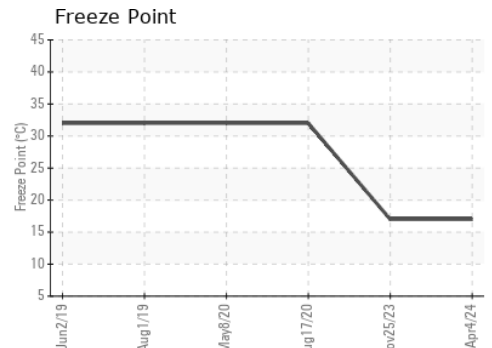
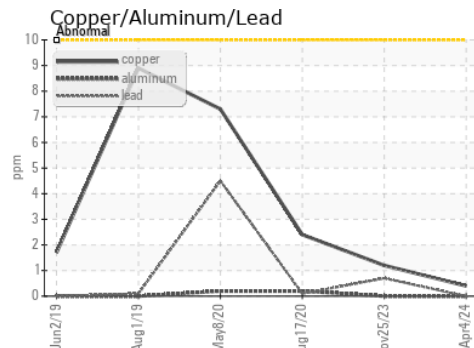
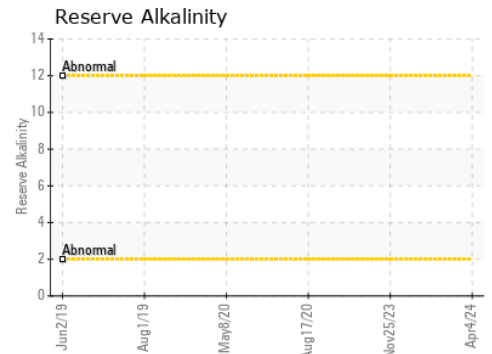
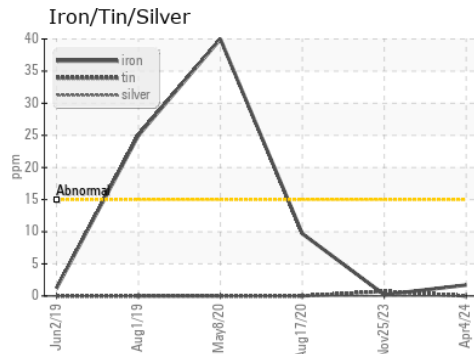


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0845993 **Received** : 23 Apr 2024
Lab Number : 06158224 **Tested** : 29 Apr 2024
Unique Number : 10993647 **Diagnosed** : 29 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: