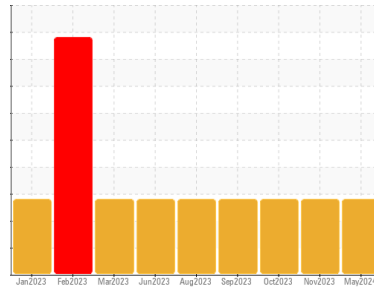




COOLANT REPORT

Sample Rating Trend



OFF SPEC



Area
West Virginia
 Machine Id
[West Virginia] Coolant - Port Genset
 Component
Coolant
 Fluid
CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)

DIAGNOSIS

Recommendation

We recommend that you perform a partial drain and top off with straight antifreeze to increase level of glycol.

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 glycol level is lower than acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0874550	WC0846124	WC0805458
Sample Date	Client Info	12 May 2024	27 Nov 2023	27 Oct 2023
Machine Age	hrs	28135	26539	26183
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Glycol Type	FT-IR	---	---	---
Specific Gravity	*ASTM D1298	1.032	1.026	1.022
pH	Scale 0-14 ASTM D1287	8.67	8.49	8.39
Nitrites	ppm AP-053:2009	524	300	600
Reserve Alkalinity	Scale 0-20 *ASTM D1121	---	---	---
Percentage Glycol	% ASTM D3321	▲ 24.7	▲ 20.5	▲ 17.7
Freezing Point	°F ASTM D3321	11	16	19
Total Dissolved Solids		140.5	126.0	114.5
Carboxylate		fail	fail	fail

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130 0	4	89	4
Phosphorus	ppm ASTM D6130 0	0	0	<1
Boron	ppm ASTM D6130 0	0	0	0
Molybdenum	ppm ASTM D6130 950	264	133	122

CORROSION

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

CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	18	20	26

CARRIER SALTS

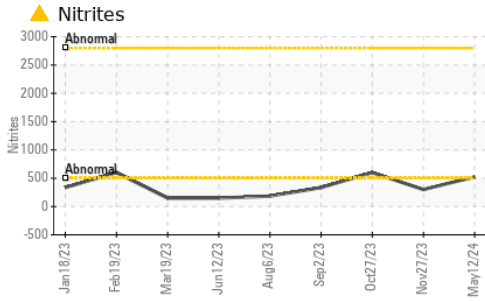
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	2223	1547	1452
Potassium	ppm ASTM D6130	19	30	32







SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130	2	5	8
Magnesium	ppm ASTM D6130	<1	2	3

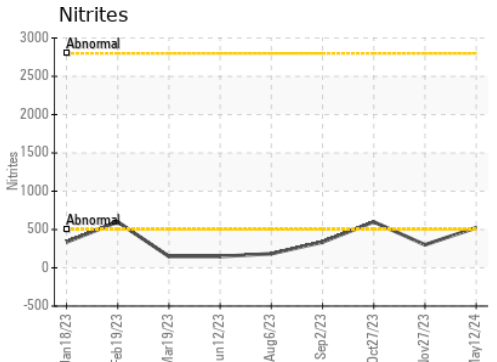
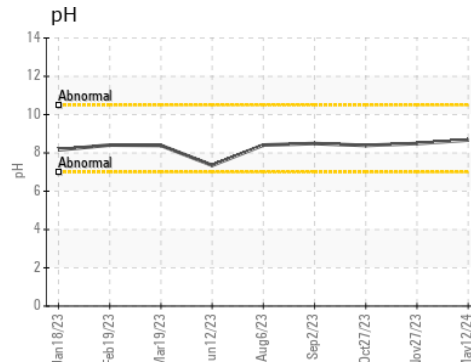
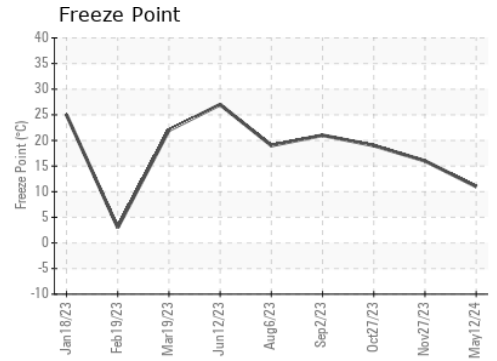
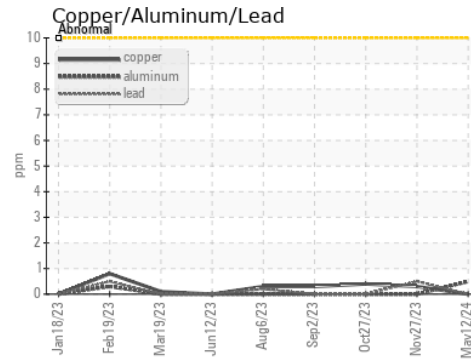
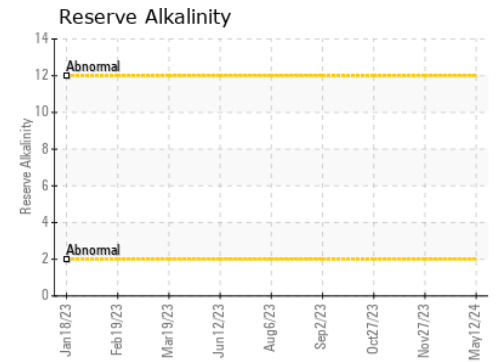
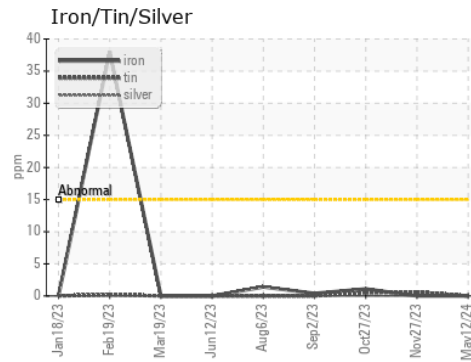


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0874550
Lab Number : 06184867
Unique Number : 11036193
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP, KF)

Received : 20 May 2024
Tested : 24 May 2024
Diagnosed : 24 May 2024 - Jonathan Hester

MARATHON PETROLEUM CO.
 101 12TH ST
 CATLETTSBURG, KY
 US 41169
 Contact: SHAWN MCCLASKEY
 stmcclasskey@marathonpetroleum.com
 T: (606)739-2416
 F: x:

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)