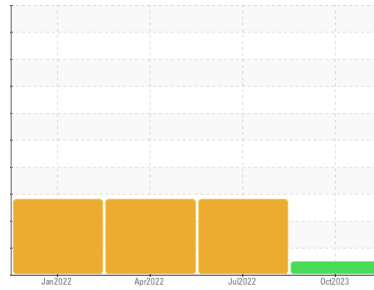




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
Texas City
 Machine Id
[Texas City] Coolant - Port Genset
 Component
Coolant
 Fluid
HYBRID (HOAT) COOLANT (--- 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			WC0735807	WC0659706	WC0659804
Sample Date	Client Info			16 Oct 2023	07 Jul 2022	12 Apr 2022
Machine Age	hrs	Client Info		6236	6236	5222
Oil Age	hrs	Client Info		6236	6236	4395
Oil Changed	Client Info			N/A	Not Changd	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		1.070	1.091	1.094
pH	Scale 0-14	ASTM D1287		7.41	7.11	7.16
Nitrites	ppm	AP-053:2009		448	224	148
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		52.5	▲ 71.7	▲ 74.1
Freezing Point	°F	ASTM D3321		-40	-66	-63
Total Dissolved Solids				216.0	342.5	359.0
Carboxylate				fail	fail	fail

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130		83	136	104
Phosphorus	ppm	ASTM D6130		290	373	317
Boron	ppm	ASTM D6130		298	858	761
Molybdenum	ppm	ASTM D6130		12	21	20

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	8	1	2
Aluminum	ppm	ASTM D6130	>10	1	0	0
Copper	ppm	ASTM D6130	>10	5	11	7
Lead	ppm	ASTM D6130	>10	<1	<1	0
Tin	ppm	ASTM D6130	>10	<1	<1	<1
Zinc	ppm	ASTM D6130		0	0	0

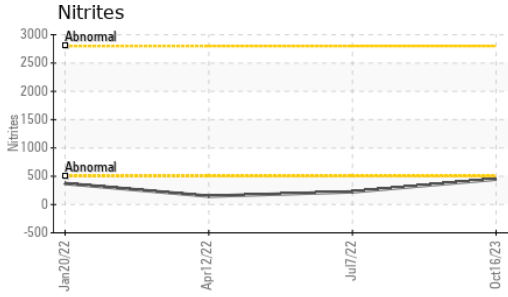
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		26	21	0


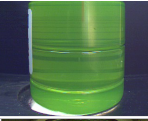


CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		2014	1353	1309
Potassium	ppm	ASTM D6130		871	1757	1457

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

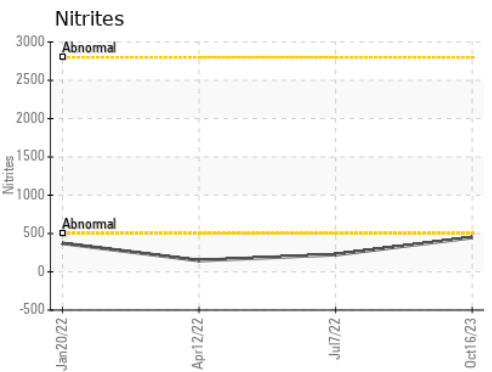
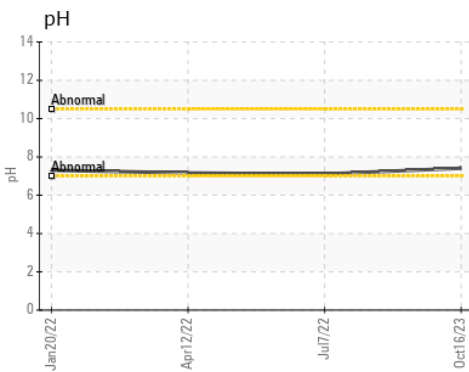
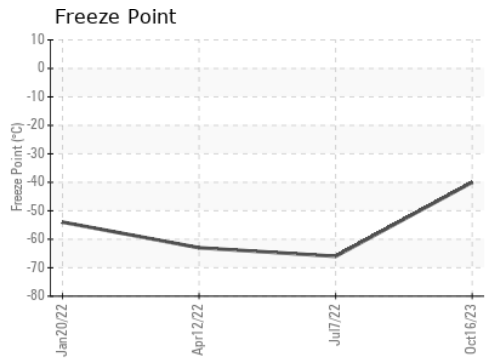
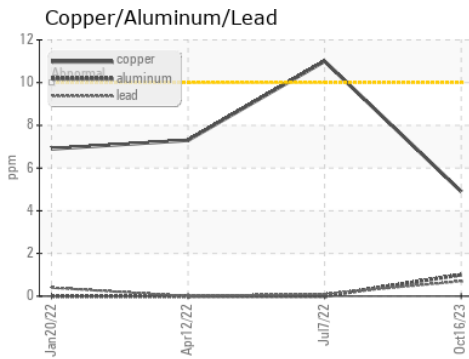
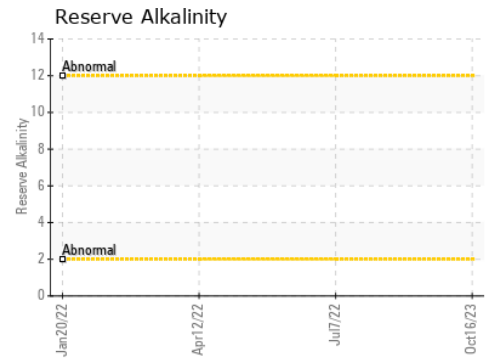
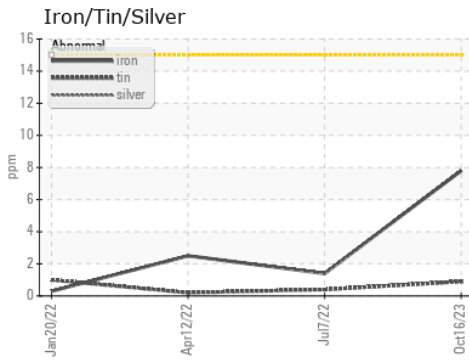


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0735807 **Received** : 06 Nov 2023
Lab Number : 05999510 **Diagnosed** : 15 Nov 2023
Unique Number : 10727870 **Diagnostician** : Doug Bogart
Test Package : COOL- (Additional Tests: COOL, ICP, KF)

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 CATLETTSBURG, KY
 US 41169
 Contact: CORY GUMBERT
 cagumbert@marathonpetroleum.com
 T: (606)585-3950
 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)