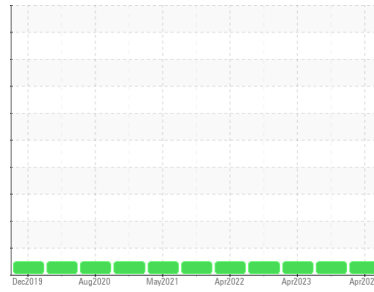




COOLANT REPORT

Machine Id
Grand River CAT 5 GRRM05BE
 Component
Jacket Water Coolant
 Fluid
CHEVRON HEAVY DUTY PF COOLANT (250 GAL)

Sample Rating Trend



NORMAL



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

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		WC0724923	WC0724861	WC0724832
Sample Date	Client Info		08 Apr 2024	11 Oct 2023	12 Apr 2023
Machine Age	hrs	Client Info	76474	75177	72849
Oil Age	hrs	Client Info	65527	75177	72849
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.068	1.068	1.067
pH	Scale 0-14	ASTM D1287 10.5	8.88	8.68	8.65
Nitrites	ppm	AP-053:2009 >800	676	788	748
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321 50	50.3	50.2	50.0
Freezing Point	°F	ASTM D3321 -37	-35	-35	-35
Total Dissolved Solids			230.5	210.5	237.0
Carboxylate			n/a	n/a	fail

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130 1000	36	30	99
Phosphorus	ppm	ASTM D6130 0	12	5	8
Boron	ppm	ASTM D6130	392	329	651
Molybdenum	ppm	ASTM D6130	262	214	403

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130 >15	<1	0	2
Aluminum	ppm	ASTM D6130 >10	0	<1	<1
Copper	ppm	ASTM D6130 >10	2	0	3
Lead	ppm	ASTM D6130 >10	0	0	<1
Tin	ppm	ASTM D6130 >10	0	0	0
Zinc	ppm	ASTM D6130	0	0	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130	10	2	22

CARRIER SALTS

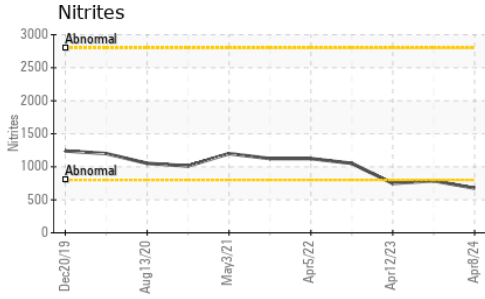
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130	2253	1930	3299
Potassium	ppm	ASTM D6130	85	43	178

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130	<1	<1	1
Magnesium	ppm	ASTM D6130	0	<1	0

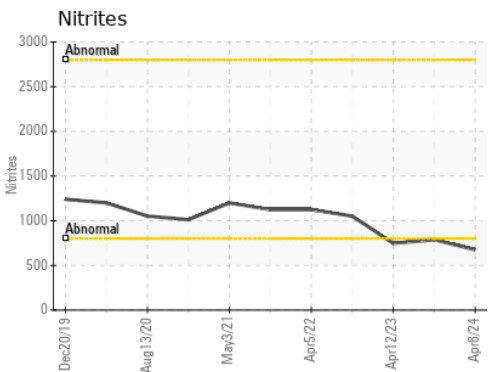
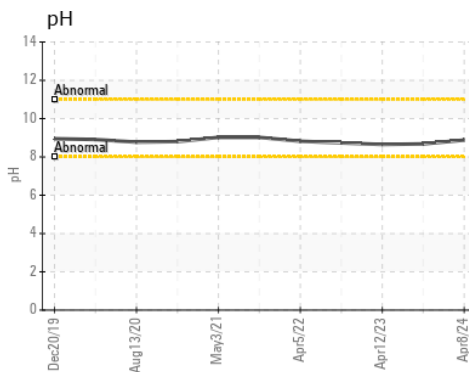
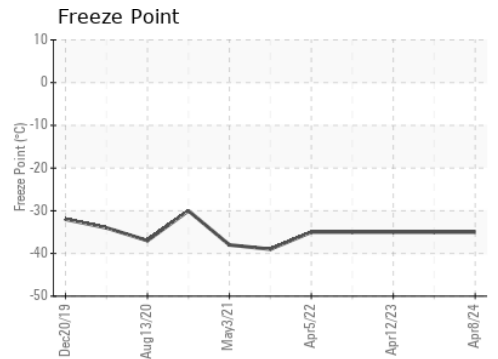
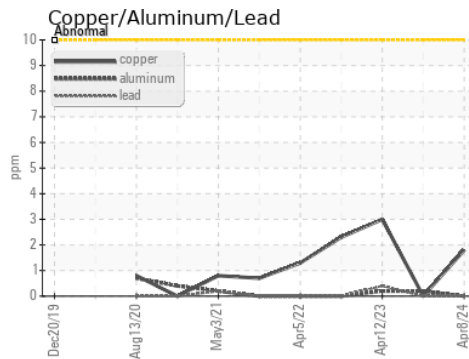
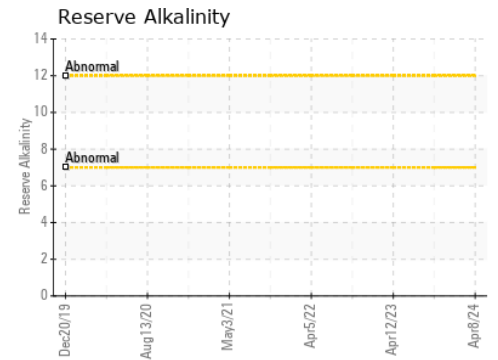
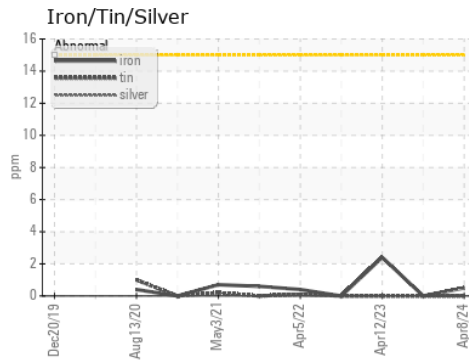


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0724923

Lab Number : 06144806

Unique Number : 10969614

Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

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)

Received : 10 Apr 2024

Tested : 19 Apr 2024

Diagnosed : 19 Apr 2024 - Jonathan Hester

EDL NA Recips-Grand River

Grand River Powerstation, 8550 West Grand River Hwy

Grand Ledge, MI

US 48837

Contact: JAMES ALEXANDER

james.alexander@edlenergy.com

T:

F: