



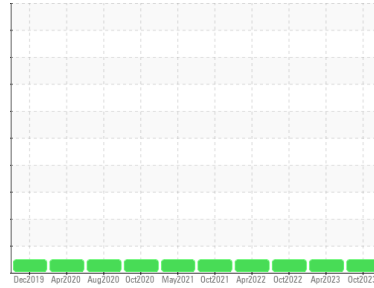
COOLANT REPORT

Sample Rating Trend

NORMAL



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

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		WC0724861	WC0724832	WC0724883
Sample Date	Client Info		11 Oct 2023	12 Apr 2023	11 Oct 2022
Machine Age	hrs	Client Info	75177	72849	71666
Oil Age	hrs	Client Info	75177	72849	71666
Oil Changed	Client Info		Not Changed	Not Changd	Not Changed
Sample Status			NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.068	1.067	1.068
pH	Scale 0-14 ASTM D1287	10.5	8.68	8.65	8.73
Nitrites	ppm AP-053:2009	>800	788	748	1052
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321	50	50.2	50.0	50.4
Freezing Point	°F ASTM D3321	-37	-35	-35	-35
Total Dissolved Solids			210.5	237.0	292.0
Carboxylate			n/a	fail	n/a

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	1000	30	99	91
Phosphorus	ppm ASTM D6130	0	5	8	0
Boron	ppm ASTM D6130		329	651	664
Molybdenum	ppm ASTM D6130		214	403	430

CORROSION

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

CONTAMINANTS

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

CARRIER SALTS

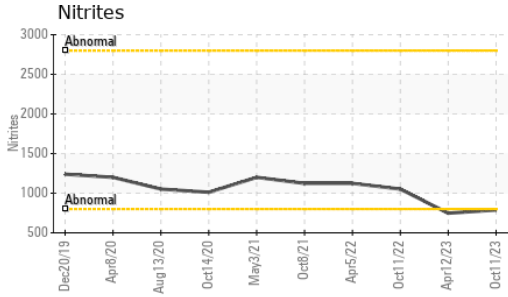
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130		1930	3299	3319
Potassium	ppm ASTM D6130		43	178	164





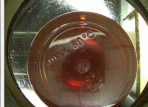
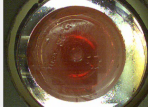
SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		<1	1	3
Magnesium	ppm ASTM D6130		<1	0	0

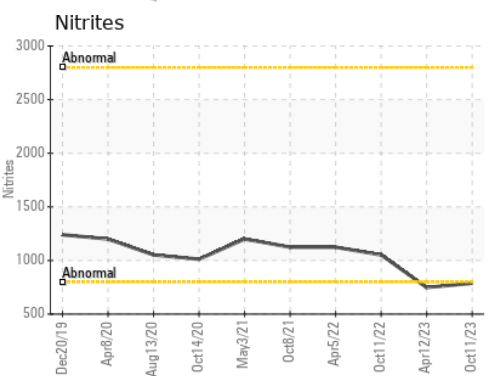
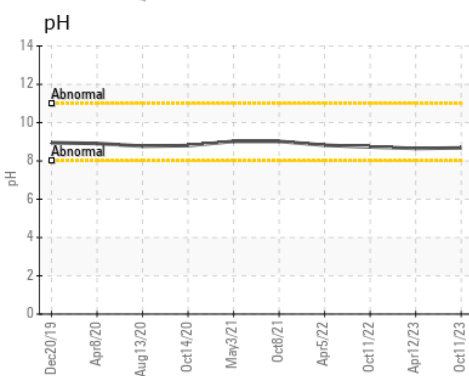
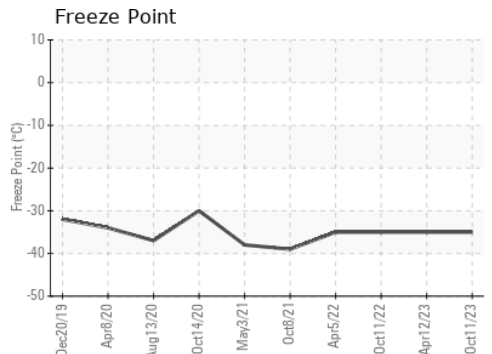
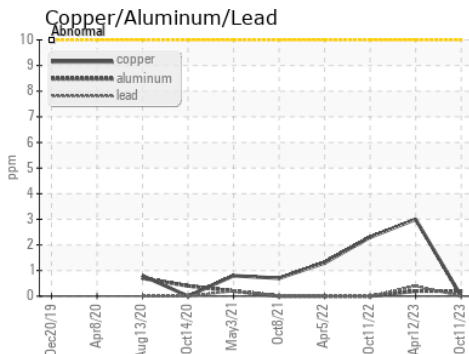
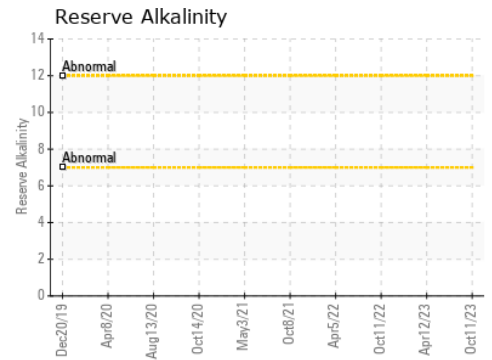
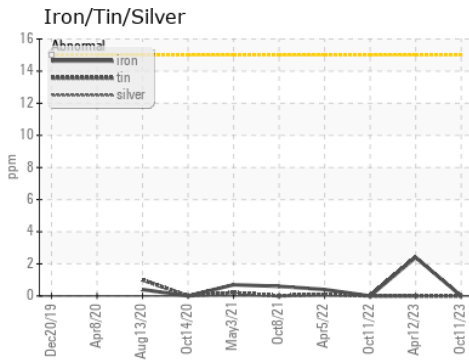


COOLANT REPORT



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



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0724861 **Received** : 13 Oct 2023
Lab Number : 05978596 **Diagnosed** : 18 Oct 2023
Unique Number : 10695891 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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

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)