



COOLANT REPORT

Sample Rating Trend



NORMAL



Area
FRONTIER II [200006776]
 Machine Id
09WEA86938
 Component
Coolant
 Fluid
ISENTHAL VARIDOS 45 (--- LTR)

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		NX06026986	NX0599046	NX05799031
Sample Date	Client Info		27 Nov 2023	09 Mar 2023	08 Mar 2023
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	SEVERE

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		1.060	1.060	1.059
pH	Scale 0-14 ASTM D1287	8.5	7.93	8.17	8.48
Nitrites	ppm AP-053:2009	260	448	112	300
Reserve Alkalinity	Scale 0-20 *ASTM D1121		---	---	---
Percentage Glycol	% ASTM D3321	45	44.7	44.4	43.6
Freezing Point	°F ASTM D3321	-24	-21	-21	-19
Total Dissolved Solids			225.0	237.5	156.0
Carboxylate			n/a	n/a	n/a

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	25	66	8	95
Phosphorus	ppm ASTM D6130	140	0	5	142
Boron	ppm ASTM D6130	0	0	<1	<1
Molybdenum	ppm ASTM D6130	1075	143	281	1200

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm ASTM D6130	>15	0	8	235
Aluminum	ppm ASTM D6130	>10	2	7	350
Copper	ppm ASTM D6130	>10	2	<1	<1
Lead	ppm ASTM D6130	>10	<1	<1	2
Tin	ppm ASTM D6130	>10	<1	<1	1
Zinc	ppm ASTM D6130		3	2	60

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130		10	16	81

CARRIER SALTS

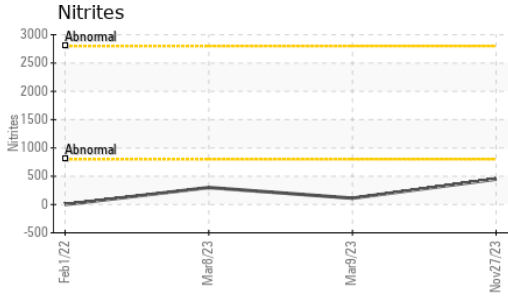
	method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	1075	2230	5677	1116
Potassium	ppm ASTM D6130	5	291	182	2473


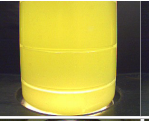
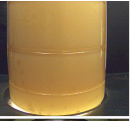

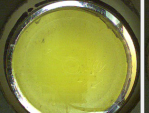

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130		1	<1	8
Magnesium	ppm ASTM D6130		<1	0	3

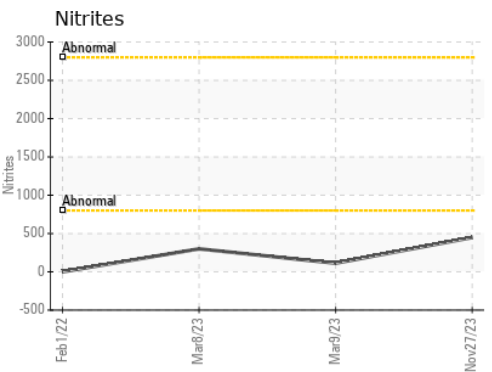
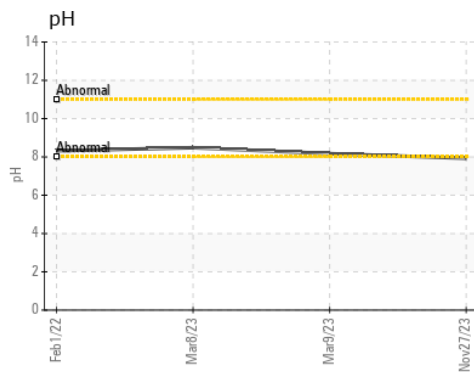
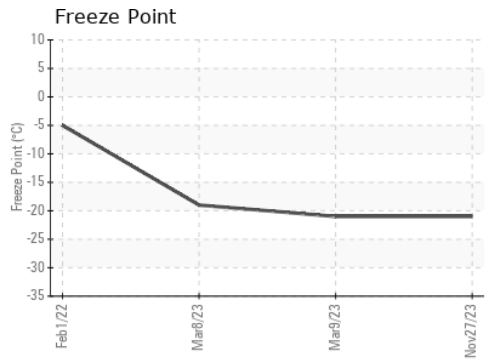
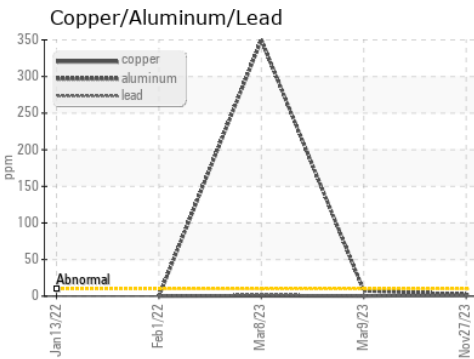
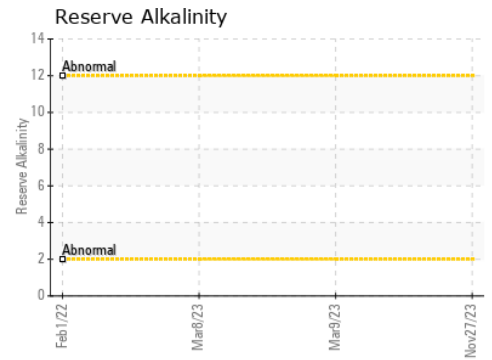
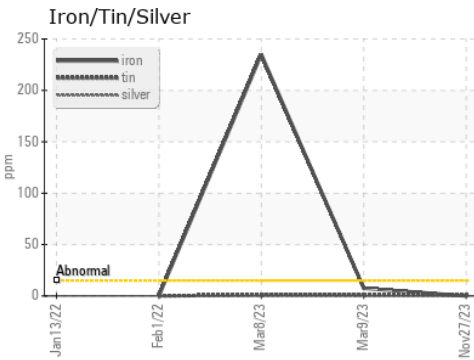


COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX06026986 **Received** : 06 Dec 2023
Lab Number : 06026986 **Diagnosed** : 11 Dec 2023
Unique Number : 10776777 **Diagnostician** : Doug Bogart
Test Package : COOL- (Additional Tests: COOL, ICP)

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Certificate L2367
 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)