



COOLANT REPORT

CORROSION	ABNORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
FRONTIER II [200006776]

Machine Id
14WEA86920

Component
Coolant

Fluid
ISENTHAL VARIDOS 45 (--- LTR)

RECOMMENDATION

We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		NX06087883	NX06026996	NX05492971
Sample Date		Client Info		01 Feb 2024	27 Nov 2023	14 Mar 2022
Machine Age	hrs	Client Info		3323	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	SEVERE

CORROSION

Aluminum and iron ppm levels are abnormal.

Iron	ppm	ASTM D6130	>15	▲ 16	<1	36
Aluminum	ppm	ASTM D6130	>10	▲ 84	3	152
Copper	ppm	ASTM D6130	>10	2	5	<1
Lead	ppm	ASTM D6130	>10	<1	<1	<1
Tin	ppm	ASTM D6130	>10	<1	<1	<1
Zinc	ppm	ASTM D6130	>10	78	3	10

CONTAMINANTS

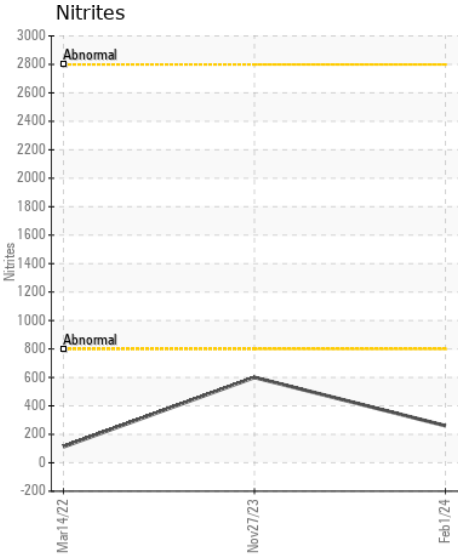
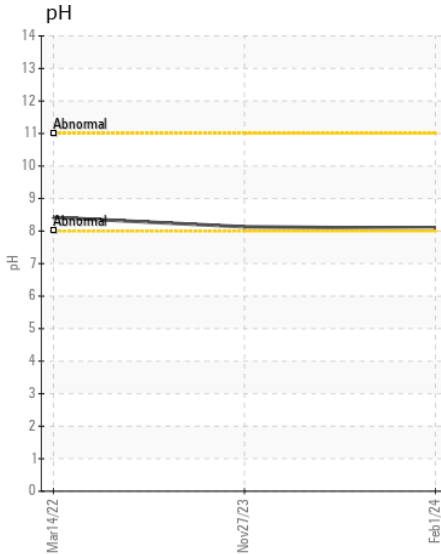
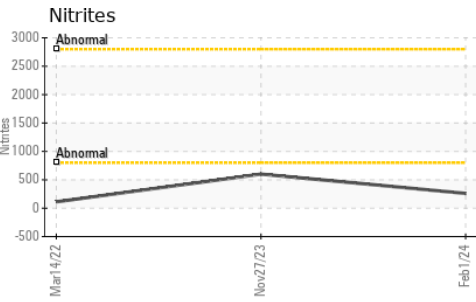
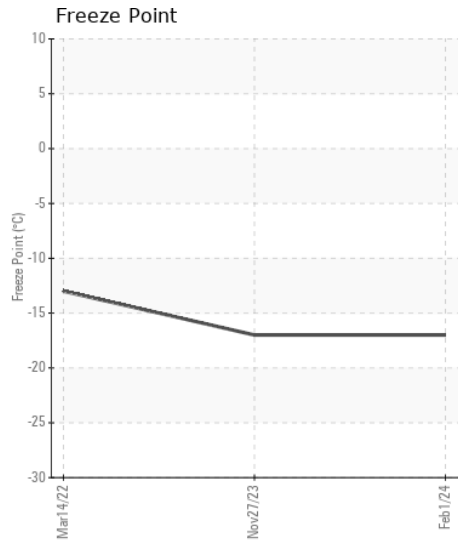
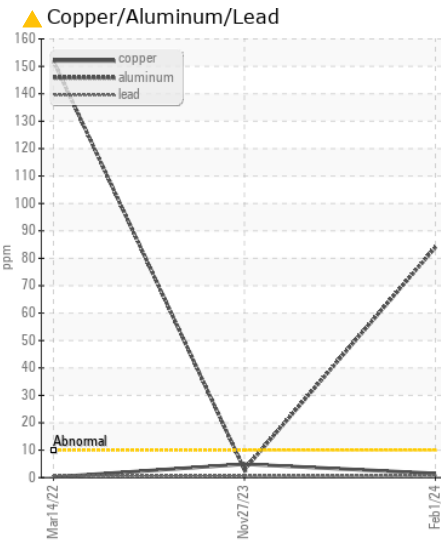
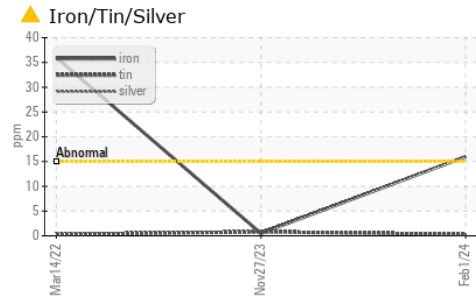
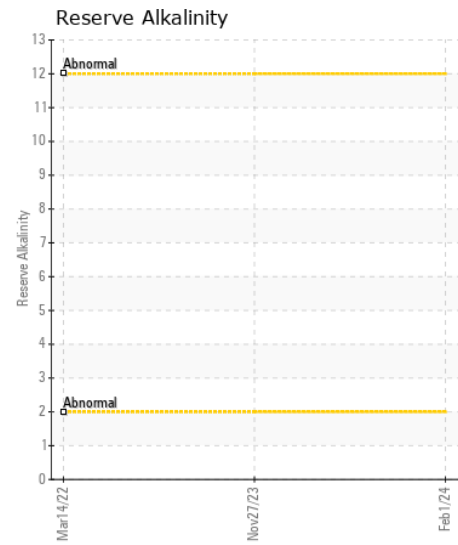
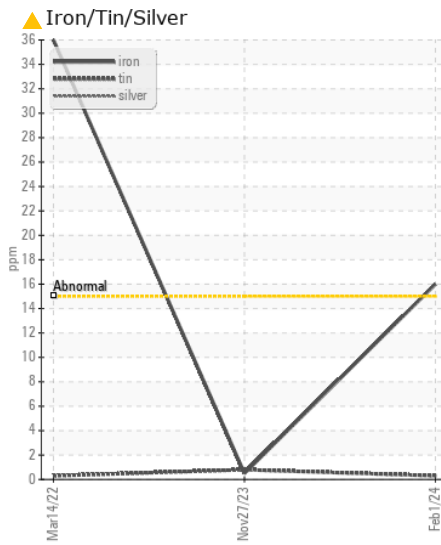
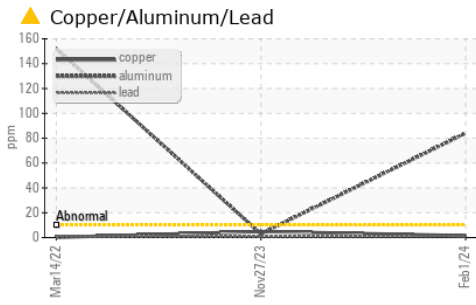
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		2	2	4
Chlorine	ppm	ASTM D6130		15	6	44
Magnesium	ppm	ASTM D6130		4	1	7
Total Dissolved Solids				213.0	218.5	188.0
Coolant Appearance		*Visual	Clear	normal	normal	normal

COOLANT CONDITION

Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

Specific Gravity		*ASTM D1298		1.058	1.057	1.055
pH	Scale 0-14	ASTM D1287	8.5	8.08	8.13	8.42
Nitrites	ppm	AP-053:2009	260	260	600	112
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321	45	42.8	42.6	40.6
Freezing Point	°F	ASTM D3321	-24	-17	-17	-13
Carboxylate				n/a	n/a	fail
Silicon	ppm	ASTM D6130	25	28	16	35
Phosphorus	ppm	ASTM D6130	140	57	0	121
Boron	ppm	ASTM D6130	0	0	0	0
Molybdenum	ppm	ASTM D6130	1075	385	124	737
Sodium	ppm	ASTM D6130	1075	1916	2568	1619
Potassium	ppm	ASTM D6130	5	545	332	427
Coolant Color		*Visual	DkYlw	Yllow	Yllow	Yllow



Certificate L2367

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

Sample No. : NX06087883

Lab Number : 06087883

Unique Number : 10875328

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

Received : 13 Feb 2024

Tested : 14 Feb 2024

Diagnosed : 15 Feb 2024 - Doug Bogart

NORDEX USA - Chicago

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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)