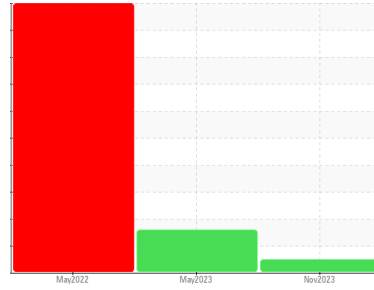




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
FRONTIER II [200006776]
 Machine Id
53WEA86927
 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

Sample Number	Client Info	method	limit/base	current	history1	history2
NX06026997						
Sample Date	Client Info			22 Nov 2023	11 May 2023	04 May 2022
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	ABNORMAL	SEVERE

PHYSICAL TEST RESULTS

Specific Gravity	method	limit/base	current	history1	history2
*ASTM D1298			1.060	1.060	1.059
pH	Scale 0-14	ASTM D1287 8.5	7.80	8.24	8.35
Nitrites	ppm	AP-053:2009 260	300	408	112
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321 45	44.9	44.5	43.2
Freezing Point	°F	ASTM D3321 -24	-21	-21	-19
Total Dissolved Solids			252.0	157.5	143.0
Carboxylate			n/a	n/a	n/a

CORROSION INHIBITORS

Silicon	ppm	ASTM D6130 25	current	history1	history2
			11	0	65
Phosphorus	ppm	ASTM D6130 140	0	0	48
Boron	ppm	ASTM D6130 0	0	0	5
Molybdenum	ppm	ASTM D6130 1075	125	259	1046

CORROSION

Iron	ppm	ASTM D6130 >15	current	history1	history2
			0	▲ 91	● 198
Aluminum	ppm	ASTM D6130 >10	0	▲ 33	● 225
Copper	ppm	ASTM D6130 >10	<1	0	<1
Lead	ppm	ASTM D6130 >10	<1	0	1
Tin	ppm	ASTM D6130 >10	<1	0	<1
Zinc	ppm	ASTM D6130	<1	37	87

CONTAMINANTS

Chlorine	ppm	ASTM D6130	current	history1	history2
			7	2	0

CARRIER SALTS

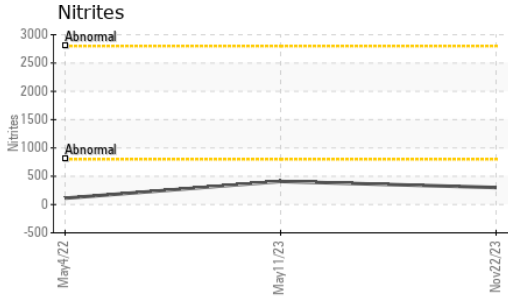
Sodium	ppm	ASTM D6130 1075	current	history1	history2
			2631	554	554
Potassium	ppm	ASTM D6130 5	240	205	606



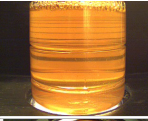



SCALE POTENTIAL

Calcium	ppm	ASTM D6130	current	history1	history2
			2	<1	2
Magnesium	ppm	ASTM D6130	2	0	4

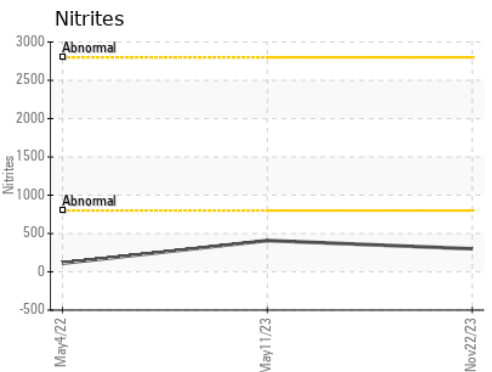
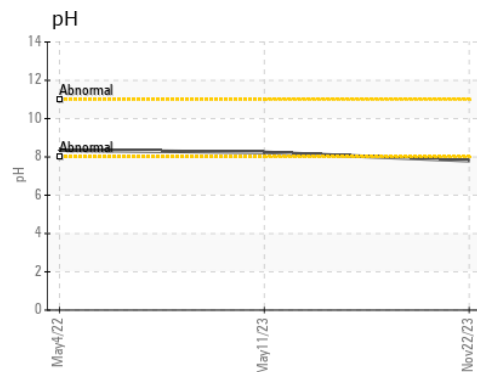
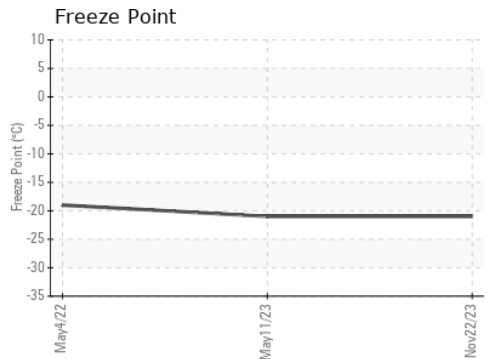
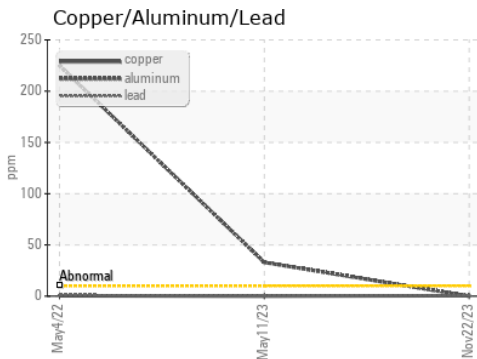
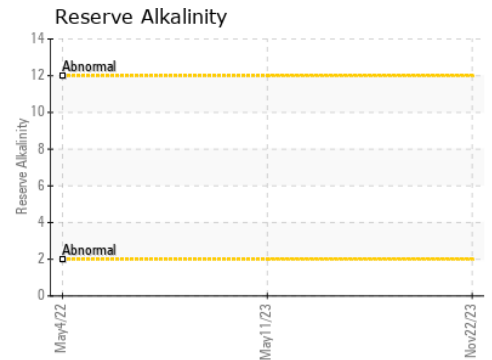
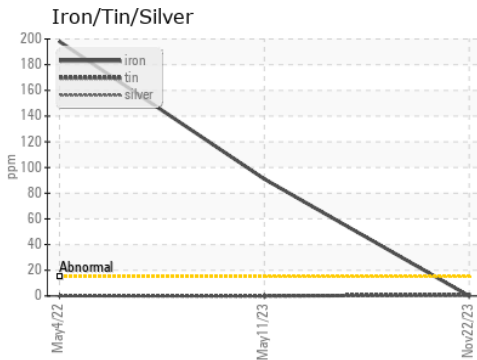


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX06026997 **Received** : 06 Dec 2023
Lab Number : 06026997 **Diagnosed** : 11 Dec 2023
Unique Number : 10776788 **Diagnostician** : Doug Bogart
Test Package : COOL- (Additional Tests: COOL, 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)

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