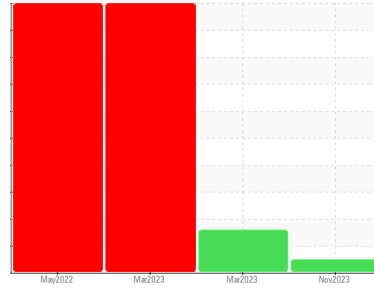




# COOLANT REPORT

Sample Rating Trend



**NORMAL**



Area  
**FRONTIER II [200006776]**  
 Machine Id  
**01WEA86921**  
 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		<b>NX06026995</b>	NX05799045	NX05799037
Sample Date	Client Info		<b>27 Nov 2023</b>	21 Mar 2023	20 Mar 2023
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	ABNORMAL	SEVERE

## PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298		<b>1.060</b>	1.060	1.059
pH	Scale 0-14	ASTM D1287 8.5	<b>7.83</b>	8.16	8.35
Nitrites	ppm	AP-053:2009 260	<b>412</b>	148	300
Reserve Alkalinity	Scale 0-20	*ASTM D1121	<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321 45	<b>44.7</b>	44.6	43.8
Freezing Point	°F	ASTM D3321 -24	<b>-21</b>	-21	-19
Total Dissolved Solids			<b>207.5</b>	250.5	157.0
Carboxylate			<b>n/a</b>	n/a	n/a

## CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130 25	<b>17</b>	10	113
Phosphorus	ppm	ASTM D6130 140	<b>0</b>	7	200
Boron	ppm	ASTM D6130 0	<b>0</b>	0	1
Molybdenum	ppm	ASTM D6130 1075	<b>121</b>	322	1200

## CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130 >15	<b>0</b>	▲ 44	● 919
Aluminum	ppm	ASTM D6130 >10	<b>1</b>	▲ 12	● 233
Copper	ppm	ASTM D6130 >10	<b>17</b>	<1	1
Lead	ppm	ASTM D6130 >10	<b>&lt;1</b>	<1	2
Tin	ppm	ASTM D6130 >10	<b>&lt;1</b>	1	2
Zinc	ppm	ASTM D6130	<b>12</b>	12	266

## CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130	<b>10</b>	17	114

## CARRIER SALTS

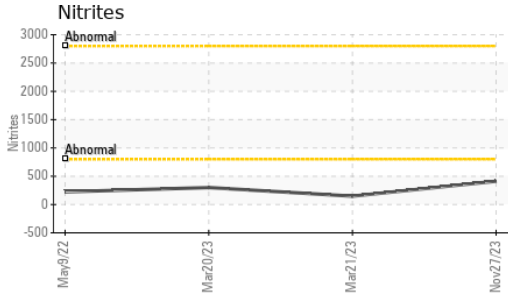
	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130 1075	<b>2603</b>	5668	1205
Potassium	ppm	ASTM D6130 5	<b>281</b>	132	2289


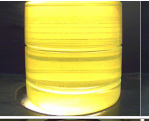
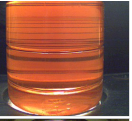



## SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130	<b>&lt;1</b>	1	5
Magnesium	ppm	ASTM D6130	<b>&lt;1</b>	<1	6

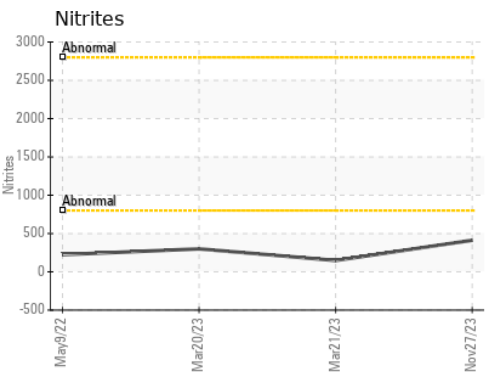
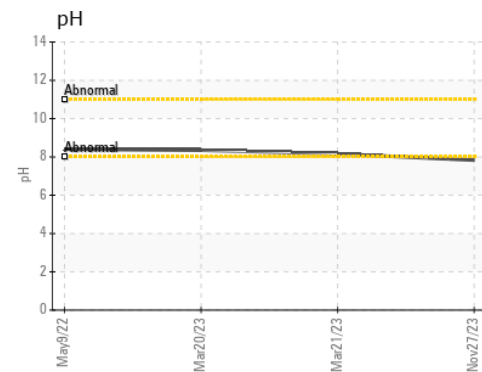
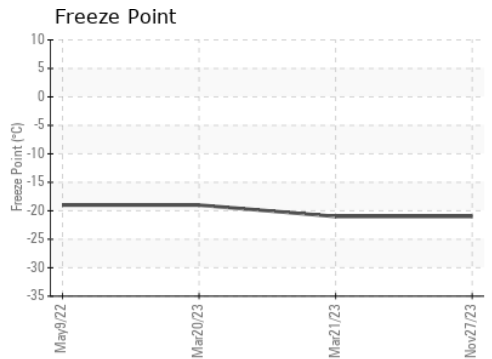
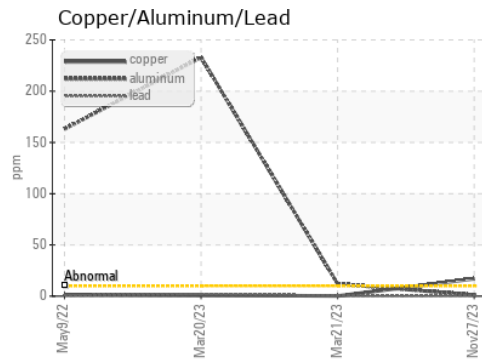
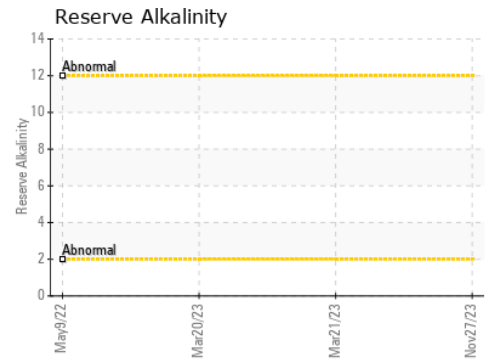
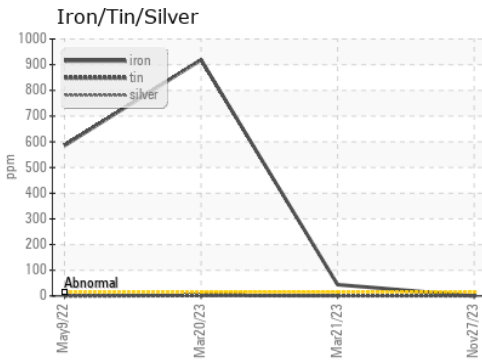


# COOLANT REPORT



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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : NX06026995 **Received** : 06 Dec 2023  
**Lab Number** : 06026995 **Diagnosed** : 11 Dec 2023  
**Unique Number** : 10776786 **Diagnostician** : Doug Bogart  
**Test Package** : COOL- ( Additional Tests: COOL, ICP )

**NORDEX USA - Chicago**  
 300 SOUTH WACKER DRIVE, SUITE 1500  
 CHICAGO, IL  
 US 60606  
 Contact: DEVIN LINEHAN  
 DLinehan@nordex-online.com  
 T: (312)386-4124  
 F: (312)386-7102

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)