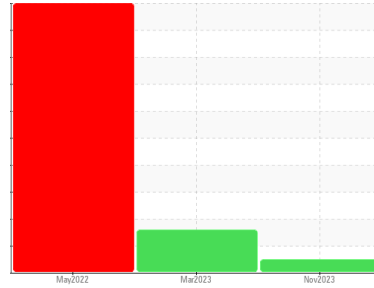




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
FRONTIER II [200006776]
 Machine Id
20WEA86900
 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
NX06026985						
Sample Date	Client Info			28 Nov 2023	29 Mar 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	1.060
pH	Scale 0-14	ASTM D1287 8.5	7.76	8.27	8.35
Nitrites	ppm	AP-053:2009 260	184	488	184
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321 45	44.1	44.8	44.5
Freezing Point	°F	ASTM D3321 -24	-21	-21	-21
Total Dissolved Solids			245.5	157.0	146.5
Carboxylate			n/a	fail	n/a

CORROSION INHIBITORS

Silicon	ppm	ASTM D6130 25	current	history1	history2
			177	63	51
Phosphorus	ppm	ASTM D6130 140	0	121	72
Boron	ppm	ASTM D6130 0	0	15	3
Molybdenum	ppm	ASTM D6130 1075	79	1099	1047

CORROSION

Iron	ppm	ASTM D6130 >15	current	history1	history2
			0	▲ 413	● 309
Aluminum	ppm	ASTM D6130 >10	<1	▲ 204	● 175
Copper	ppm	ASTM D6130 >10	<1	1	<1
Lead	ppm	ASTM D6130 >10	<1	2	1
Tin	ppm	ASTM D6130 >10	<1	0	<1
Zinc	ppm	ASTM D6130	<1	169	151

CONTAMINANTS

Chlorine	ppm	ASTM D6130	current	history1	history2
			9	92	0

CARRIER SALTS

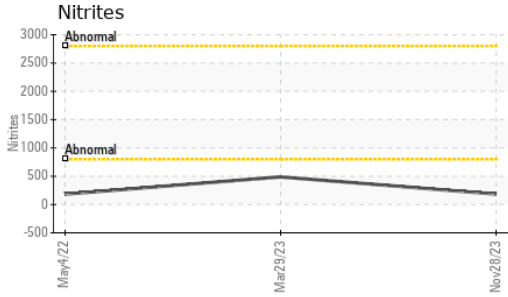
Sodium	ppm	ASTM D6130 1075	current	history1	history2
			1937	1048	556
Potassium	ppm	ASTM D6130 5	193	1765	651

SCALE POTENTIAL

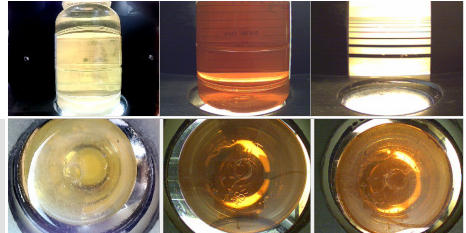
Calcium	ppm	ASTM D6130	current	history1	history2
			1	5	2
Magnesium	ppm	ASTM D6130	<1	5	4



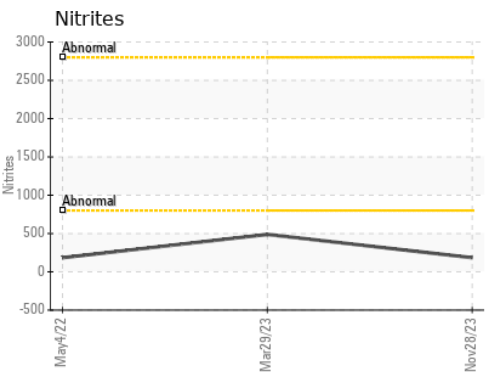
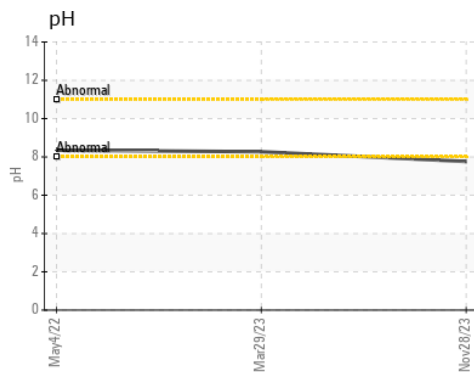
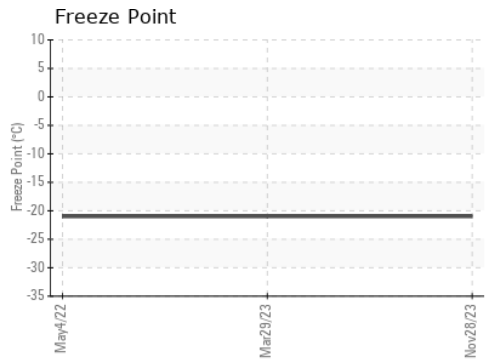
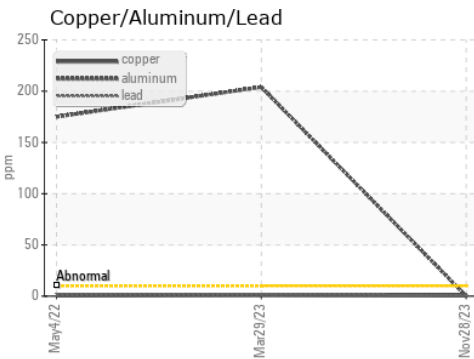
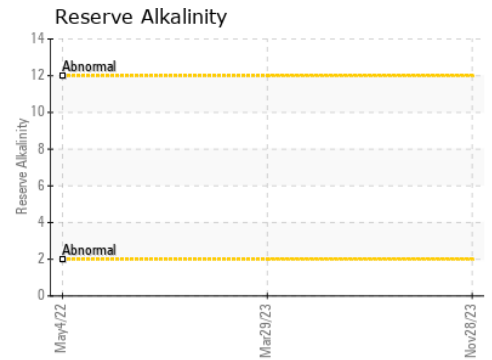
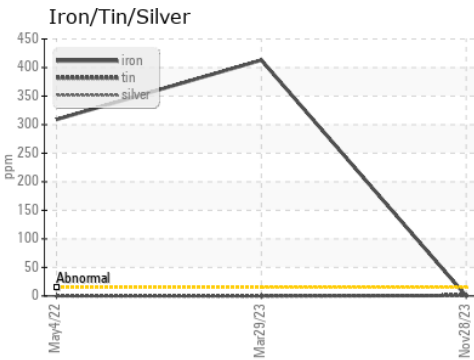
COOLANT REPORT



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



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX06026985 **Received** : 06 Dec 2023
Lab Number : 06026985 **Diagnosed** : 11 Dec 2023
Unique Number : 10776776 **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)