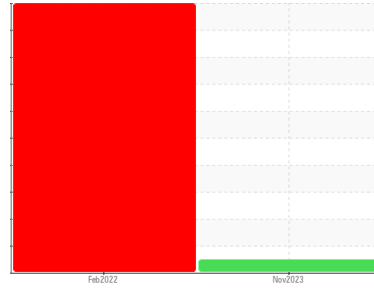




COOLANT REPORT

Sample Rating Trend

NORMAL



Area
FRONTIER II [200006776]
 Machine Id
19WEA86907
 Component
Coolant
 Fluid
HYBRID (HOAT) COOLANT (--- 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			NX06026982	NX05471856	---
Sample Date	Client Info			28 Nov 2023	01 Feb 2022	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			N/A	N/A	---
Sample Status				NORMAL	SEVERE	---

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		1.059	---	---
pH	Scale 0-14	ASTM D1287		7.83	8.39	---
Nitrites	ppm	AP-053:2009		300	184	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		43.9	42	---
Freezing Point	°F	ASTM D3321		-19	-20	---
Total Dissolved Solids				229.0	152.5	---
Carboxylate				n/a	fail	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130		116	64	---
Phosphorus	ppm	ASTM D6130		0	66	---
Boron	ppm	ASTM D6130		0	<1	---
Molybdenum	ppm	ASTM D6130		122	948	---

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	0	427	---
Aluminum	ppm	ASTM D6130	>10	<1	179	---
Copper	ppm	ASTM D6130	>10	4	<1	---
Lead	ppm	ASTM D6130	>10	<1	1	---
Tin	ppm	ASTM D6130	>10	<1	0	---
Zinc	ppm	ASTM D6130		5	116	---

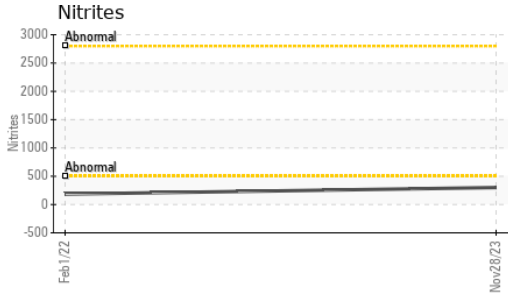
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		15	84	---





CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		2500	515	---
Potassium	ppm	ASTM D6130		328	551	---

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		1	1	---
Magnesium	ppm	ASTM D6130		2	4	---

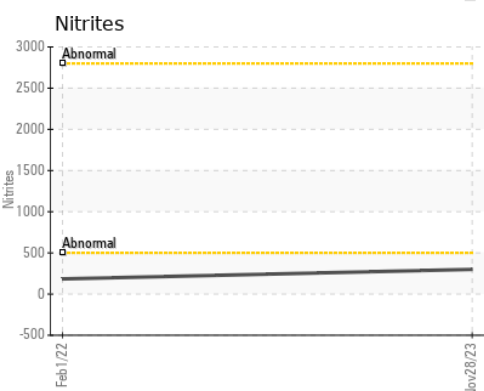
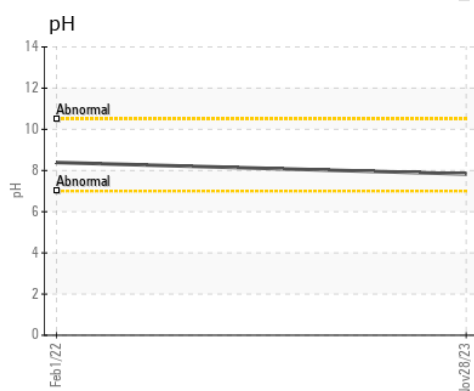
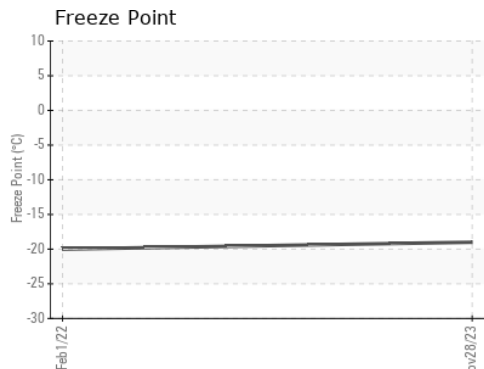
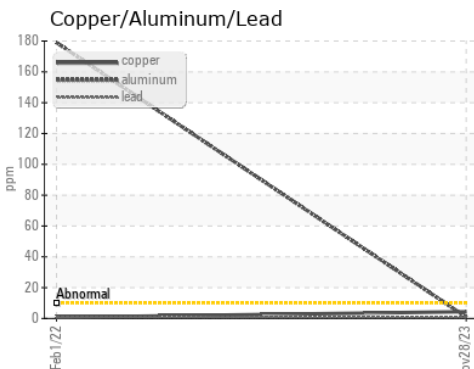
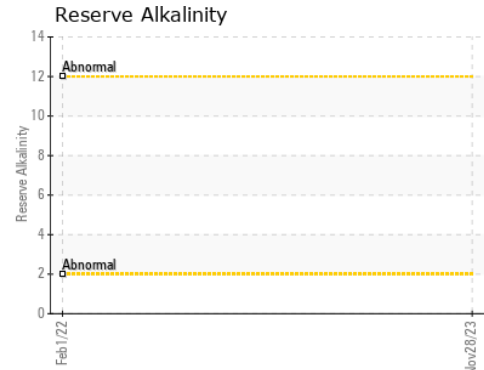
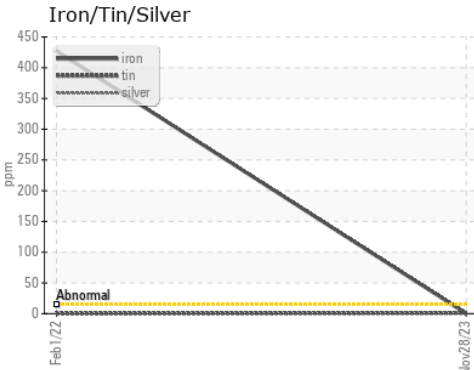


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Yllow	Yellow	---
Coolant Appearance	*Visual	Clear	normal	normal	---
Color					no image
Bottom					no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX06026982 **Received** : 06 Dec 2023
Lab Number : 06026982 **Diagnosed** : 11 Dec 2023
Unique Number : 10776773 **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)