

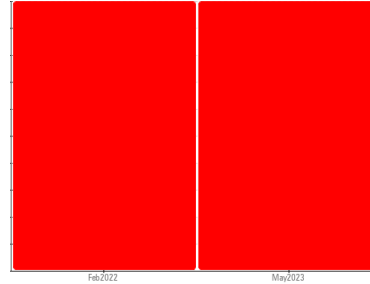


COOLANT REPORT

Sample Rating Trend

WEAR

Area
FRONTIER II [200006776]
 Machine Id
71WEA86955
 Component
Coolant
 Fluid
ISENTHAL VARIDOS 45 (--- GAL)



DIAGNOSIS

Recommendation

We recommend drain/flush system, and refill with 50/50 antifreeze water mixture.

Corrosion

Metal levels are high indicating 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			NX05868373	WC05474106	---
Sample Date	Client Info			19 May 2023	14 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				SEVERE	SEVERE	---

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		1.058	---	---
pH	Scale 0-14	ASTM D1287	8.5	8.32	8.52	---
Nitrites	ppm	AP-053:2009	260	488	412	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321	45	42.7	42	---
Freezing Point	°F	ASTM D3321	-24	-17	-19	---
Total Dissolved Solids				155.5	146.5	---
Carboxylate				n/a	fail	---

CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	25	96	79	---
Phosphorus	ppm	ASTM D6130	140	126	121	---
Boron	ppm	ASTM D6130	0	0	<1	---
Molybdenum	ppm	ASTM D6130	1075	1200	1022	---

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	180	86	---
Aluminum	ppm	ASTM D6130	>10	348	144	---
Copper	ppm	ASTM D6130	>10	0	<1	---
Lead	ppm	ASTM D6130	>10	<1	2	---
Tin	ppm	ASTM D6130	>10	4	0	---
Zinc	ppm	ASTM D6130		258	19	---

CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		89	87	---

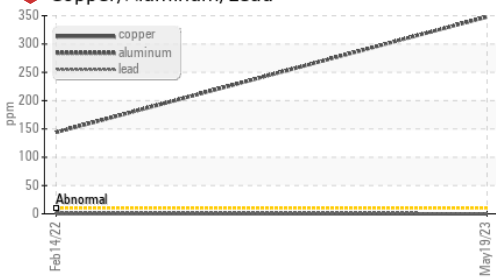
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130	1075	1249	581	---
Potassium	ppm	ASTM D6130	5	1913	586	---

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		4	7	---
Magnesium	ppm	ASTM D6130		4	6	---

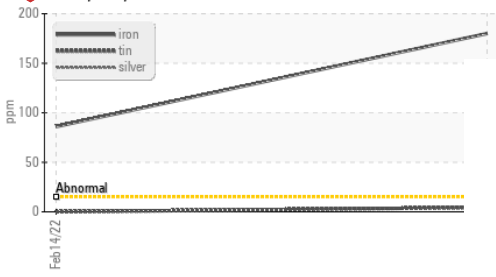


COOLANT REPORT

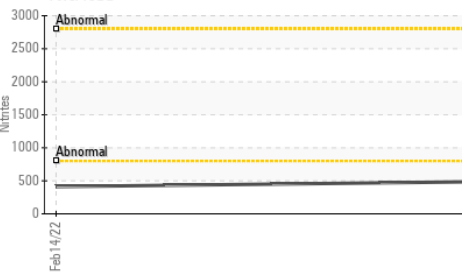
Copper/Aluminum/Lead


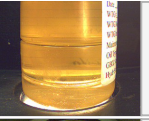




Iron/Tin/Silver



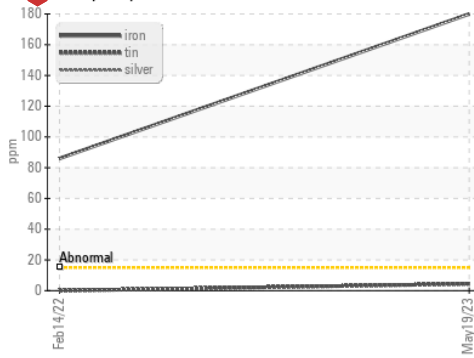
Nitrites



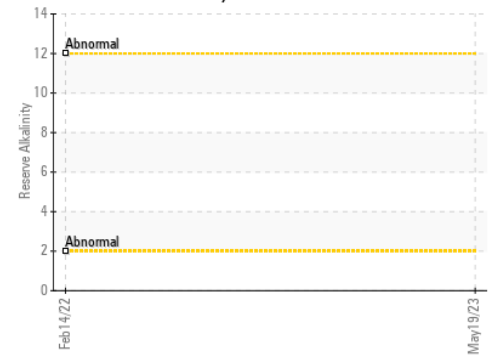
VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual	DkYlw	Yllow	Yllow	---
Coolant Appearance	*Visual	Clear	normal	normal	---
Color					no image
Bottom					no image

GRAPHS

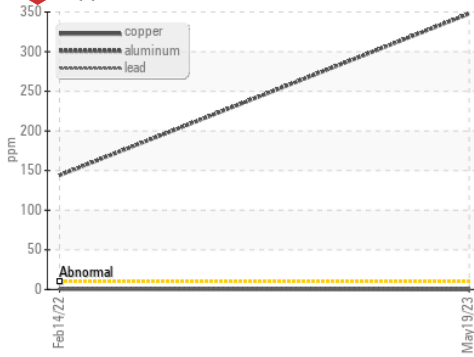
Iron/Tin/Silver



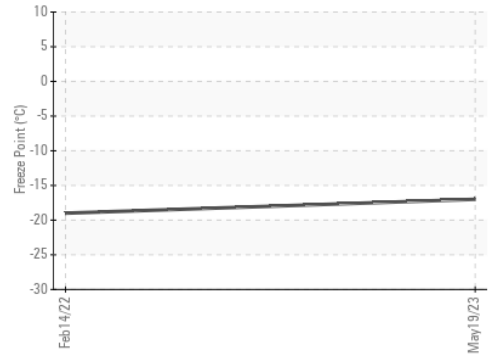
Reserve Alkalinity



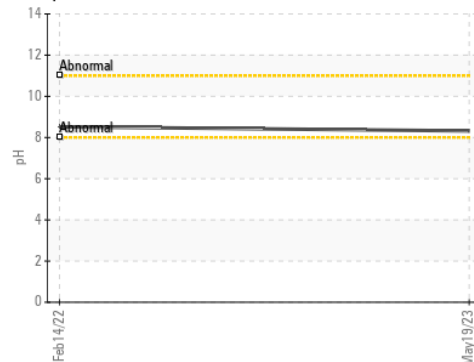
Copper/Aluminum/Lead



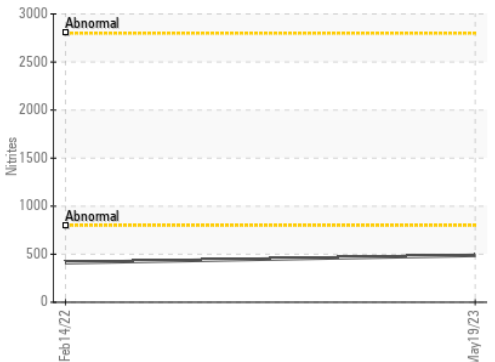
Freeze Point



pH



Nitrites



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX05868373 **Received** : 08 Jun 2023
Lab Number : 05868373 **Diagnosed** : 16 Jun 2023
Unique Number : 10508157 **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

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)