



COOLANT REPORT

CORROSION	SEVERE
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
THUNDER SPIRIT [200005313]
 Machine Id
06WEA84032 - GEN
 Component
Coolant
 Fluid
{not provided} (--- QTS)

RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		NX015508	---	---
Sample Date		Client Info		14 Feb 2024	---	---
Machine Age	hrs	Client Info		51413	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

CORROSION

Metal levels indicate corrosion in the cooling system.

Iron	ppm	ASTM D6130	>15	▲ 60	---	---
Aluminum	ppm	ASTM D6130	>10	3	---	---
Copper	ppm	ASTM D6130	>10	1	---	---
Lead	ppm	ASTM D6130	>10	1	---	---
Tin	ppm	ASTM D6130	>10	0	---	---
Zinc	ppm	ASTM D6130	>10	4	---	---

CONTAMINANTS

There is no indication of any contamination in the coolant.

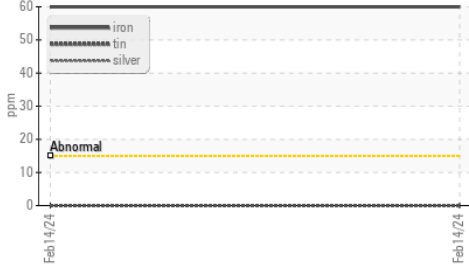
Calcium	ppm	ASTM D6130		1	---	---
Chlorine	ppm	ASTM D6130		24	---	---
Magnesium	ppm	ASTM D6130		<1	---	---
Total Dissolved Solids				304.5	---	---
Coolant Appearance		*Visual	Clear	normal	---	---

COOLANT CONDITION

Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method		228	---	---
Specific Gravity		*ASTM D1298		1.075	---	---
pH	Scale 0-14	ASTM D1287		8.49	---	---
Nitrites	ppm	AP-053:2009		748	---	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		56.3	---	---
Freezing Point	°F	ASTM D3321		-50	---	---
Carboxylate				n/a	---	---
Silicon	ppm	ASTM D6130		66	---	---
Phosphorus	ppm	ASTM D6130		1060	---	---
Boron	ppm	ASTM D6130		184	---	---
Molybdenum	ppm	ASTM D6130		120	---	---
Sodium	ppm	ASTM D6130		567	---	---
Potassium	ppm	ASTM D6130		3115	---	---
Coolant Color		*Visual		Purpl	---	---

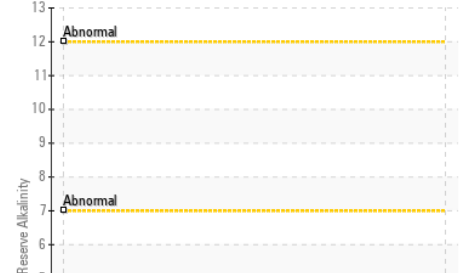
▲ Iron/Tin/Silver



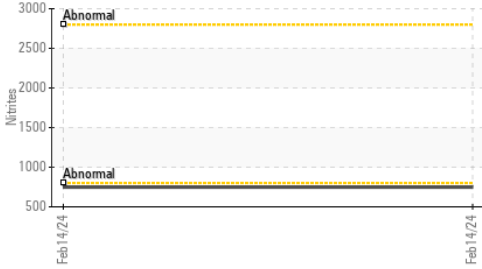
▲ Iron/Tin/Silver



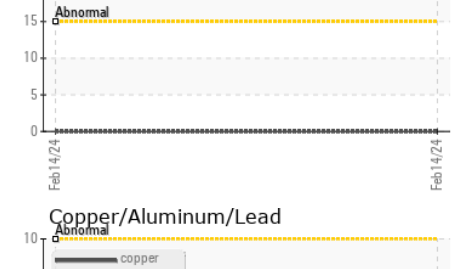
Reserve Alkalinity



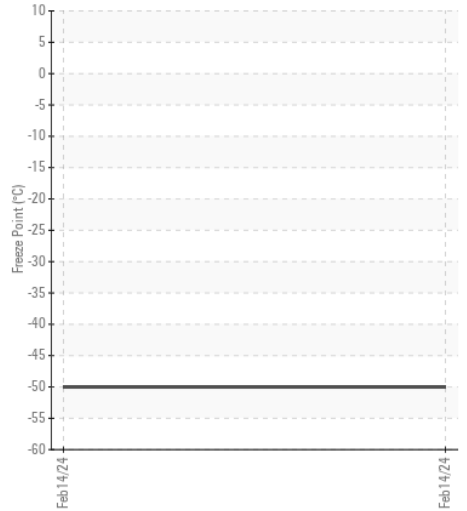
Nitrites



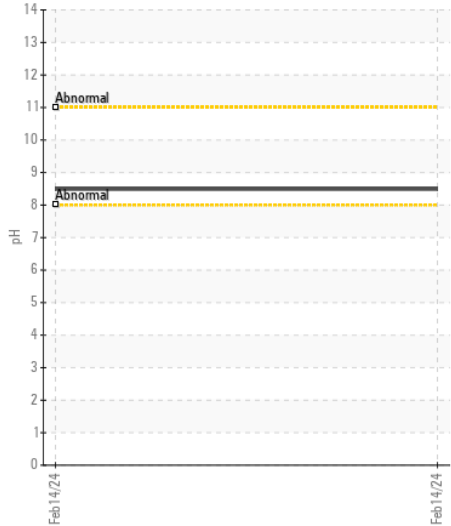
Copper/Aluminum/Lead



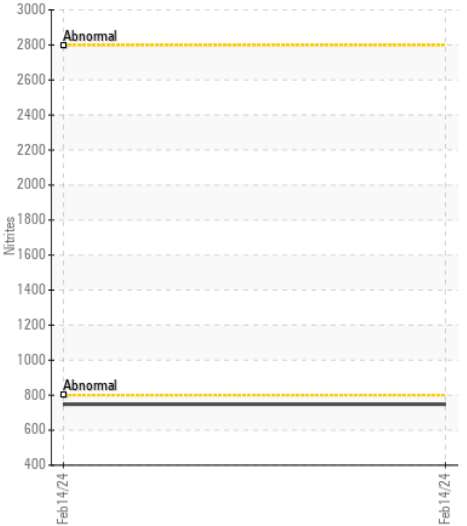
Freeze Point



pH



Nitrites



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX015508
Lab Number : 06123278
Unique Number : 10937429
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

Received : 19 Mar 2024
Tested : 22 Mar 2024
Diagnosed : 22 Mar 2024 - Jonathan Hester

NORDEX USA - Chicago
 300 SOUTH WACKER DRIVE, SUITE 1500
 CHICAGO, IL
 US 60606

Contact: DEVIN LINEHAN
 DLinehan@nordex-online.com

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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