



COOLANT REPORT

CORROSION	SEVERE
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
THUNDER SPIRIT [200009532]
 Machine Id
10WEA84014 - CONVERTER (S/N EWP01554)
 Component
Coolant
 Fluid
INTERCOOL NFE-55 AA (--- QTS)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		NX016584	NX004475	---
Sample Date		Client Info		09 May 2024	06 May 2022	---
Machine Age	hrs	Client Info		62554	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	NORMAL	---

CORROSION

Metal levels are high indicating corrosion in the cooling system.

Iron	ppm	ASTM D6130	>15	▲ 39	0	---
Aluminum	ppm	ASTM D6130	>10	▲ 12	0	---
Copper	ppm	ASTM D6130	>10	2	<1	---
Lead	ppm	ASTM D6130	>10	0	0	---
Tin	ppm	ASTM D6130	>10	<1	0	---
Zinc	ppm	ASTM D6130	>10	12	0	---

CONTAMINANTS

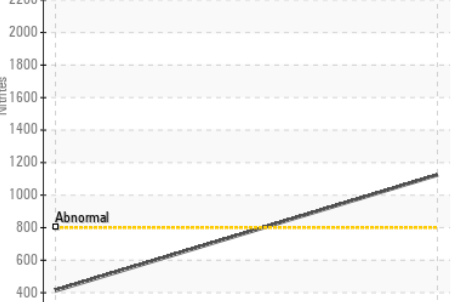
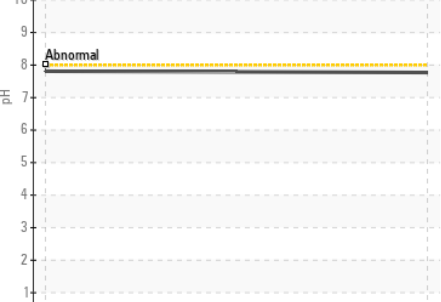
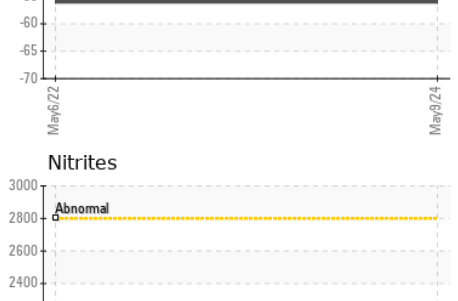
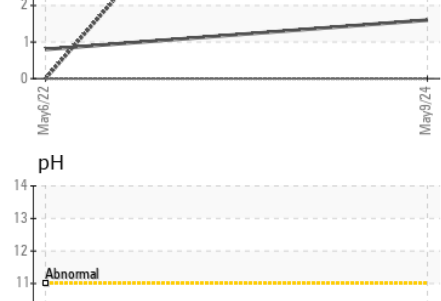
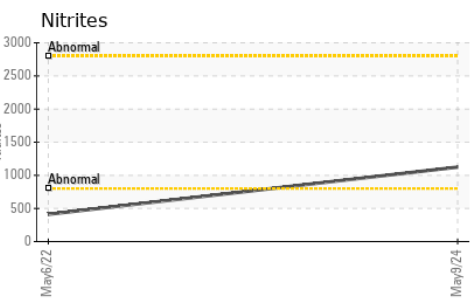
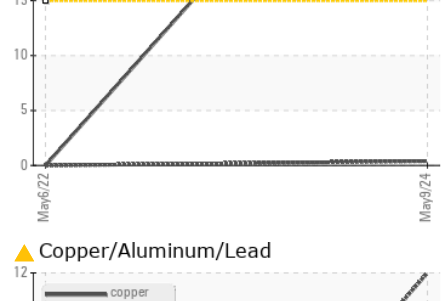
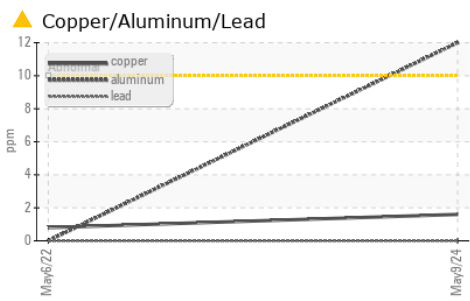
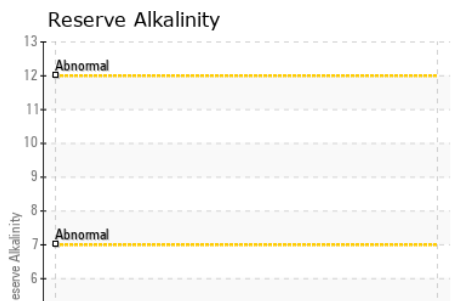
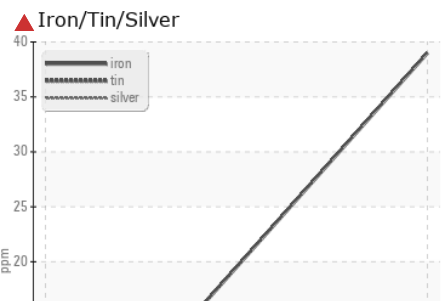
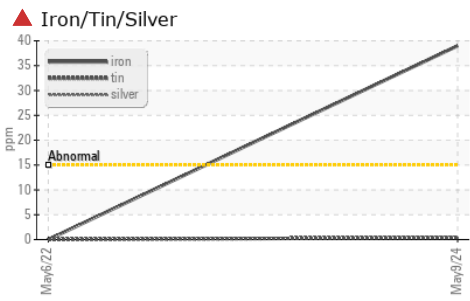
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		0	0	---
Chlorine	ppm	ASTM D6130		0	0	---
Magnesium	ppm	ASTM D6130		<1	2	---
Total Dissolved Solids				290.5	351.0	---
Coolant Appearance		*Visual	Clear	normal	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		229	---	---
Specific Gravity		*ASTM D1298		1.079	1.079	---
pH	Scale 0-14	ASTM D1287		7.77	7.81	---
Nitrites	ppm	AP-053:2009		1124	412	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		59.7	59.5	---
Freezing Point	°F	ASTM D3321		-56	-56	---
Carboxylate				n/a	n/a	---
Silicon	ppm	ASTM D6130		10	21	---
Phosphorus	ppm	ASTM D6130		536	1144	---
Boron	ppm	ASTM D6130		144	440	---
Molybdenum	ppm	ASTM D6130		89	1	---
Sodium	ppm	ASTM D6130		131	353	---
Potassium	ppm	ASTM D6130		2152	2546	---
Coolant Color		*Visual		Orange	Red	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX016584 **Received** : 24 May 2024
Lab Number : 06190887 **Tested** : 30 May 2024
Unique Number : 11047639 **Diagnosed** : 30 May 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

NORDEX USA - Chicago
 300 SOUTH WACKER DRIVE, SUITE 1500
 CHICAGO, IL
 US 60606
 Contact: DEREK BRACKEL
 DBRACKEL@nordex-online.com
 T: (701)209-0326
 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)