



# COOLANT REPORT

CORROSION	<b>NORMAL</b>
CONTAMINANTS	<b>NORMAL</b>
COOLANT CONDITION	<b>NORMAL</b>

Area  
**THUNDER SPIRIT [200009532]**  
 Machine Id  
**39WEA84008 - GEN (S/N EWP00749)**  
 Component  
**Coolant**  
 Fluid  
**INTERCOOL NFE-55 AA (--- QTS)**

## RECOMMENDATION

The fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>NX016587</b>	NX014772	NX004456
Sample Date		Client Info		<b>03 May 2024</b>	04 Apr 2024	03 May 2022
Machine Age	hrs	Client Info		<b>61155</b>	60399	46746
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## CORROSION

All metal levels are normal indicating no corrosion in the cooling system.

Iron	ppm	ASTM D6130	>15	<b>0</b>	<1	6
Aluminum	ppm	ASTM D6130	>10	<b>0</b>	0	<1
Copper	ppm	ASTM D6130	>10	<b>1</b>	1	0
Lead	ppm	ASTM D6130	>10	<b>0</b>	0	0
Tin	ppm	ASTM D6130	>10	<b>0</b>	0	0
Zinc	ppm	ASTM D6130	>10	<b>0</b>	0	0

## CONTAMINANTS

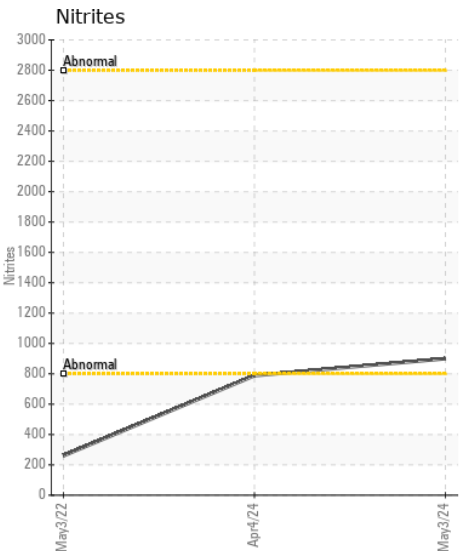
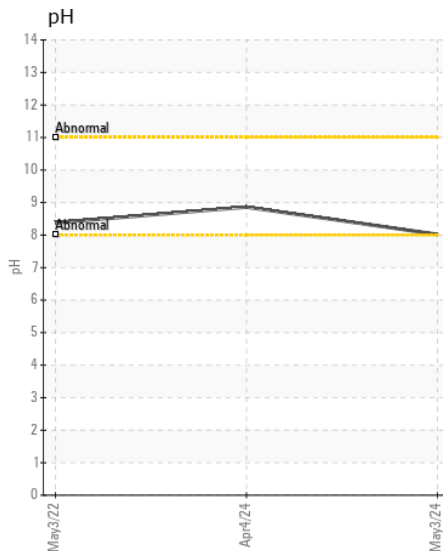
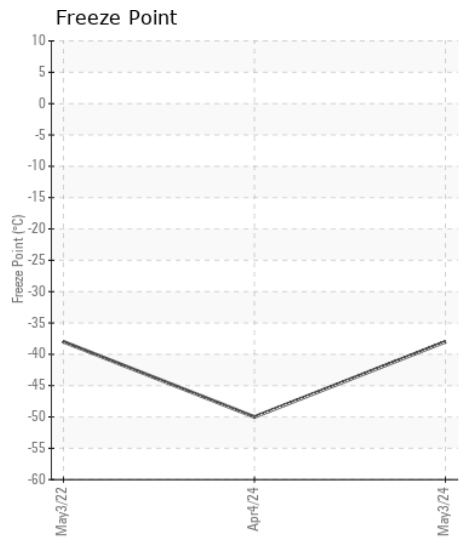
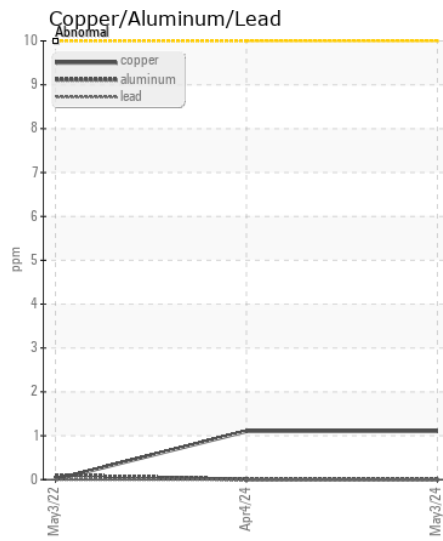
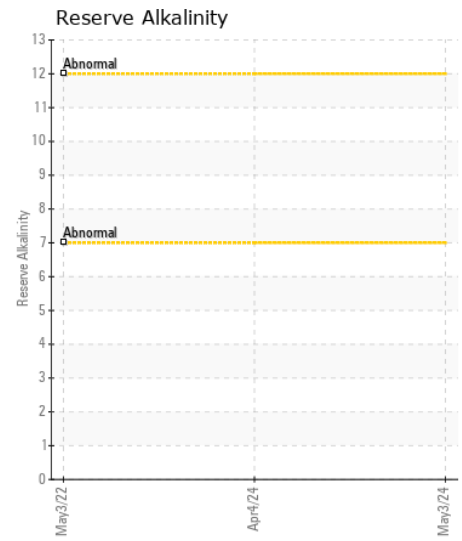
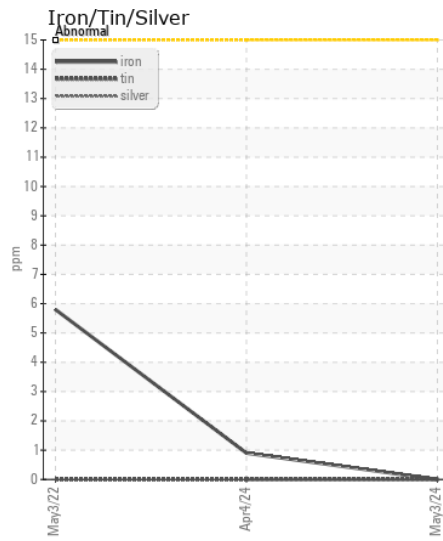
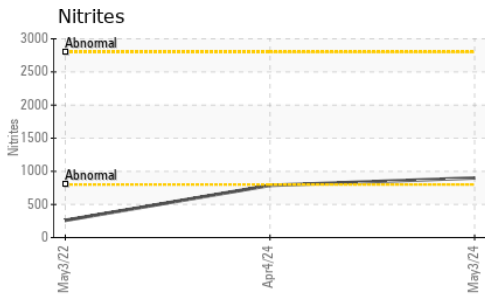
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		<b>0</b>	0	0
Chlorine	ppm	ASTM D6130		<b>0</b>	1	0
Magnesium	ppm	ASTM D6130		<b>&lt;1</b>	<1	0
Total Dissolved Solids				<b>108.5</b>	250.0	59.5
Coolant Appearance		*Visual	Clear	<b>normal</b>	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		<b>226</b>	228	---
Specific Gravity		*ASTM D1298		<b>1.069</b>	1.076	1.069
pH	Scale 0-14	ASTM D1287		<b>8.02</b>	8.86	8.38
Nitrites	ppm	AP-053:2009		<b>900</b>	788	260
Reserve Alkalinity	Scale 0-20	*ASTM D1121		<b>---</b>	---	---
Percentage Glycol	%	ASTM D3321		<b>51.7</b>	56.5	51.3
Freezing Point	°F	ASTM D3321		<b>-38</b>	-50	-38
Carboxylate				<b>n/a</b>	n/a	n/a
Silicon	ppm	ASTM D6130		<b>8</b>	34	7
Phosphorus	ppm	ASTM D6130		<b>199</b>	2209	47
Boron	ppm	ASTM D6130		<b>62</b>	431	46
Molybdenum	ppm	ASTM D6130		<b>25</b>	89	<1
Sodium	ppm	ASTM D6130		<b>22</b>	744	2
Potassium	ppm	ASTM D6130		<b>1454</b>	5843	650
Coolant Color		*Visual		<b>Pink</b>	Orange	Yellow



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : NX016587  
**Lab Number** : 06190905  
**Unique Number** : 11047657  
**Test Package** : COOL- ( Additional Tests: BoilingPoint, COOL, GlycolType, ICP )

**Received** : 24 May 2024  
**Tested** : 30 May 2024  
**Diagnosed** : 30 May 2024 - Jonathan Hester

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

Contact: DEREK BRACKEL  
 DBRACKEL@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)

T: (701)209-0326  
 F: (312)386-7102