



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
THUNDER SPIRIT [200009532]
 Machine Id
02WEA84039 - CONVERTER (S/N 72802187616)
 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		NX014778	NX010525	NX010575
Sample Date		Client Info		01 May 2024	03 Jun 2022	06 May 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	NORMAL

CORROSION

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

Iron	ppm	ASTM D6130	>15	0	▲ 219	0
Aluminum	ppm	ASTM D6130	>10	0	10	0
Copper	ppm	ASTM D6130	>10	1	2	0
Lead	ppm	ASTM D6130	>10	0	<1	0
Tin	ppm	ASTM D6130	>10	0	0	0
Zinc	ppm	ASTM D6130	>10	0	14	0

CONTAMINANTS

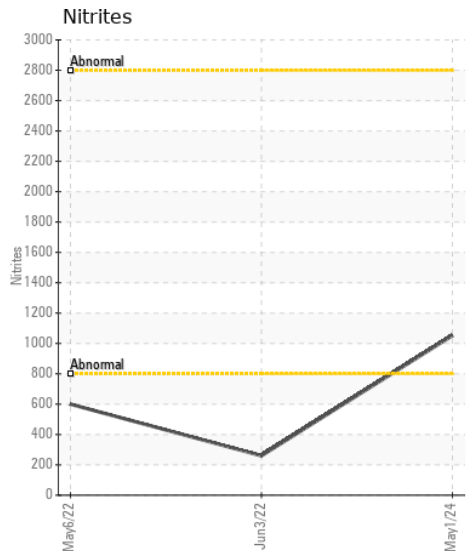
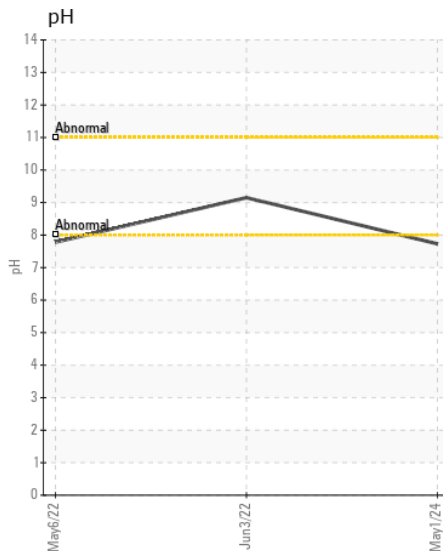
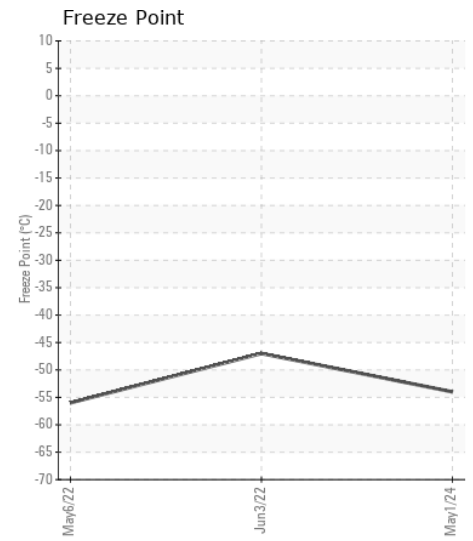
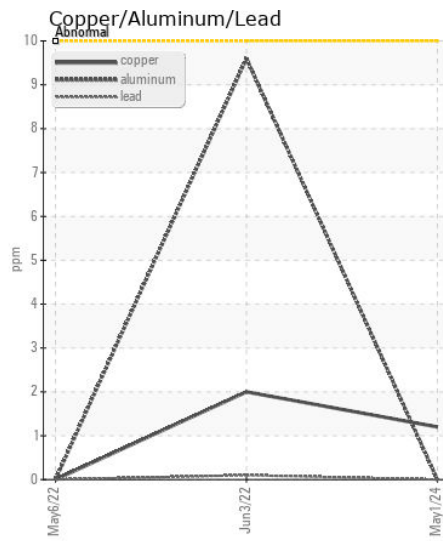
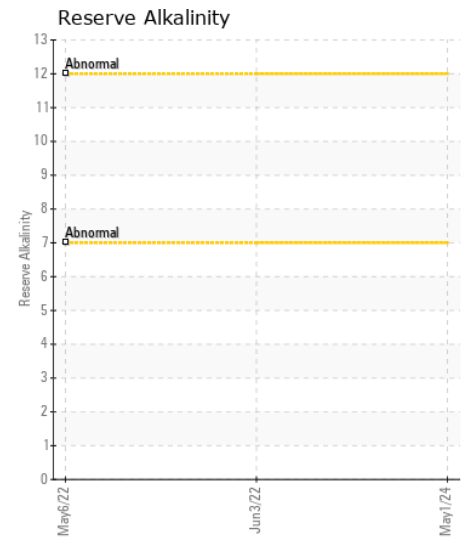
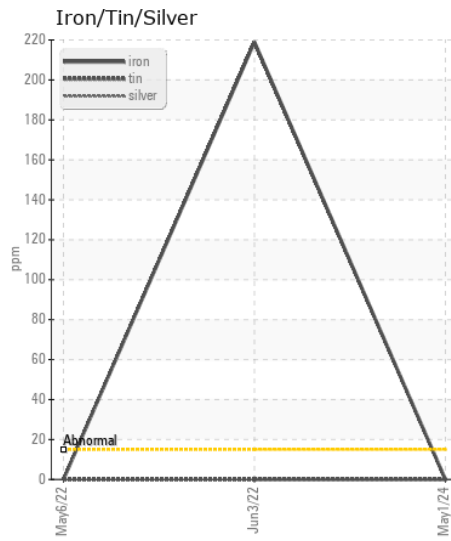
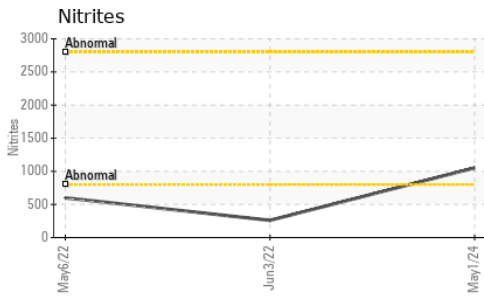
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		0	<1	0
Chlorine	ppm	ASTM D6130		0	29	0
Magnesium	ppm	ASTM D6130		2	<1	2
Total Dissolved Solids				301.0	247.5	324.0
Coolant Appearance		*Visual	Clear	normal	hazy	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		1.078	1.074	1.079
pH	Scale 0-14	ASTM D1287		7.73	9.15	7.78
Nitrites	ppm	AP-053:2009		1052	260	600
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		58.6	55.4	59.6
Freezing Point	°F	ASTM D3321		-54	-47	-56
Carboxylate				n/a	n/a	n/a
Silicon	ppm	ASTM D6130		16	149	21
Phosphorus	ppm	ASTM D6130		1952	802	1177
Boron	ppm	ASTM D6130		391	304	439
Molybdenum	ppm	ASTM D6130		27	331	<1
Sodium	ppm	ASTM D6130		516	571	351
Potassium	ppm	ASTM D6130		5236	1881	2543
Coolant Color		*Visual		Orange	Orange	Red



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX014778
Lab Number : 06190904
Unique Number : 11047656
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)

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