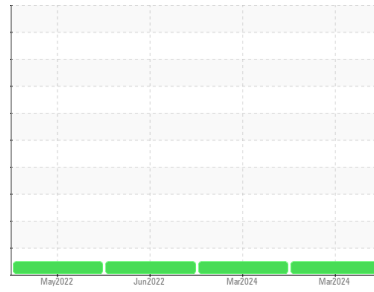




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
THUNDER SPIRIT [200009532]
 Machine Id
03WEA84029 - CONVERTER (S/N 72802187431)
 Component
Coolant
 Fluid
INTERCOOL ETHYLENE GLYCOL (--- LTR)

DIAGNOSIS

- Recommendation**
 The fluid is suitable for further service.
- Corrosion**
 All metal levels are normal indicating no 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	NX06135998	NX014791	NX010555
Sample Date	Client Info	11 Mar 2024	11 Mar 2024	30 Jun 2022
Machine Age	hrs Client Info	49448	0	44842
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	NORMAL	NORMAL

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Glycol Type	FT-IR	---	---	---
Specific Gravity	*ASTM D1298	1.078	1.076	1.076
pH	Scale 0-14 ASTM D1287	7.90	8.20	8.19
Nitrites	ppm AP-053:2009	1052	560	412
Reserve Alkalinity	Scale 0-20 *ASTM D1121	---	---	---
Percentage Glycol	% ASTM D3321	58.8	56.9	57.3
Freezing Point	°F ASTM D3321	-54	-50	-52
Total Dissolved Solids		320.5	297.0	283.0
Carboxylate		n/a	n/a	n/a

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	12	21	36
Phosphorus	ppm ASTM D6130	1450	1327	1220
Boron	ppm ASTM D6130	268	245	370
Molybdenum	ppm ASTM D6130	5	51	88

CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130 >15	4	5	<1
Aluminum	ppm ASTM D6130 >10	<1	<1	<1
Copper	ppm ASTM D6130 >10	0	0	<1
Lead	ppm ASTM D6130 >10	0	0	0
Tin	ppm ASTM D6130 >10	0	0	0
Zinc	ppm ASTM D6130	0	0	<1

CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	20	20	8

CARRIER SALTS

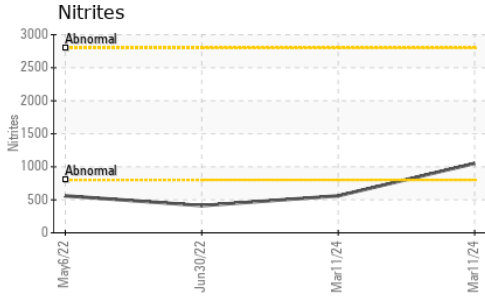
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	372	472	406
Potassium	ppm ASTM D6130	4697	4332	2379



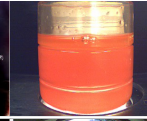
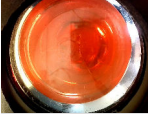

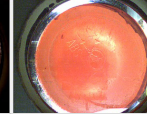
SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130 >100	0	0	0
Magnesium	ppm ASTM D6130 >40	0	0	0
Hardness	mg/L CaCO3 *In-house <75	0	0	0

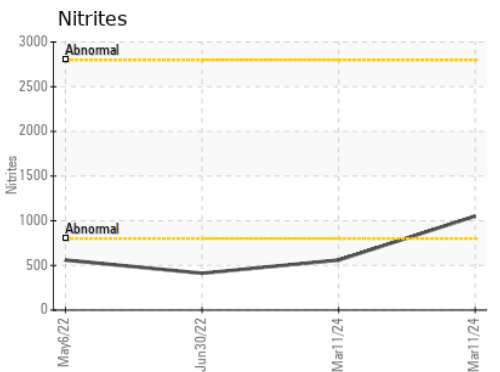
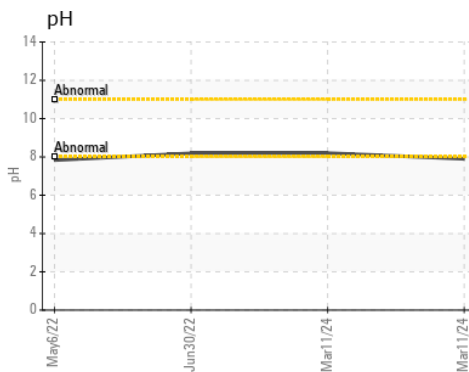
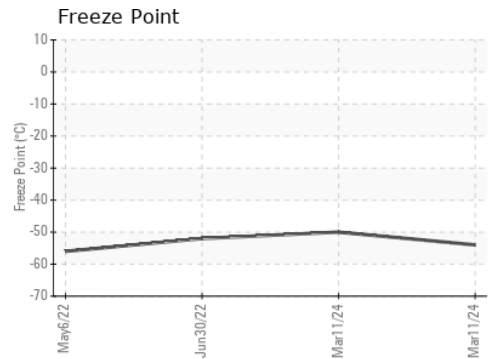
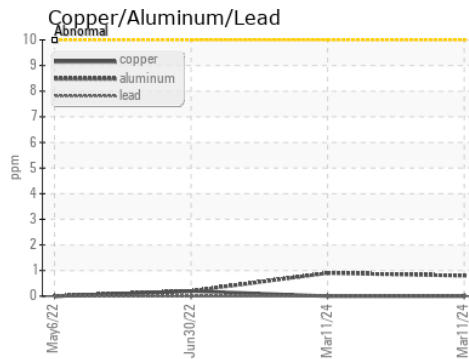
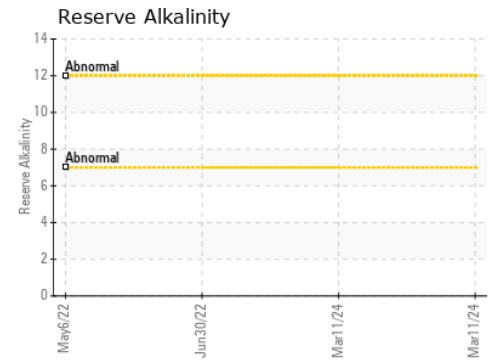
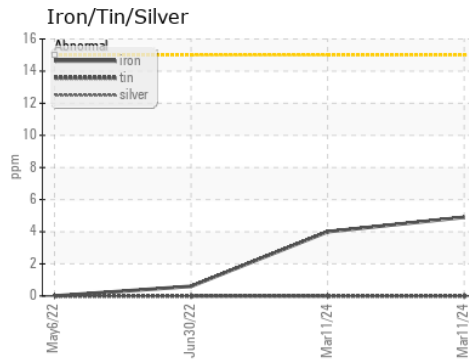


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Orange	Orange	Orange
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					
Bottom					

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : NX06135998

Lab Number : 06135998

Unique Number : 10955463

Test Package : COOL (Additional Tests: GlycolType)

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)

Received : 01 Apr 2024

Tested : 05 Apr 2024

Diagnosed : 05 Apr 2024 - Jonathan Hester

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CHICAGO, IL

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