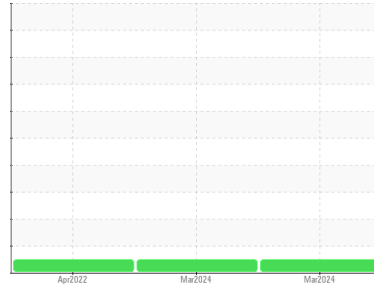




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
THUNDER SPIRIT [200009532]
 Machine Id
27WEA84030 - CONVERTER (S/N EWP01508)
 Component
Coolant
 Fluid
INTERCOOL ETHYLENE GLYCOL (--- QTS)

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	NX015547	NX014481	NX011208
Sample Date	Client Info	13 Mar 2024	13 Mar 2024	07 Apr 2022
Machine Age	hrs	Client Info	49200	0
Oil Age	hrs	Client Info	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	1.079	
pH	Scale 0-14	ASTM D1287	7.92	8.69	7.89
Nitrites	ppm	AP-053:2009	1012	712	600
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	58.7	56.4	59.4
Freezing Point	°F	ASTM D3321	-54	-50	-56
Total Dissolved Solids			354.5	289.5	325.0
Carboxylate			n/a	n/a	n/a

CORROSION INHIBITORS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D6130	10	14	18
Phosphorus	ppm	ASTM D6130	1504	1042	1110
Boron	ppm	ASTM D6130	265	227	433
Molybdenum	ppm	ASTM D6130	<1	97	<1

CORROSION

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D6130	>15	3	8	0
Aluminum	ppm	ASTM D6130	>10	<1	<1	0
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	0

CONTAMINANTS

method	limit/base	current	history1	history2		
Chlorine	ppm	ASTM D6130		18	17	0

CARRIER SALTS

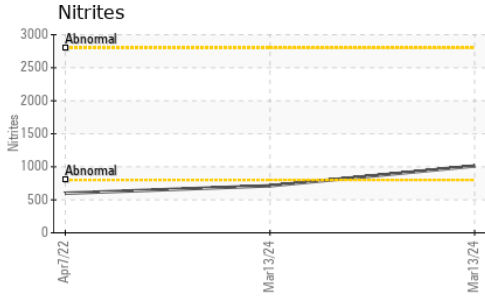
method	limit/base	current	history1	history2		
Sodium	ppm	ASTM D6130		352	495	341
Potassium	ppm	ASTM D6130		4749	4010	2384






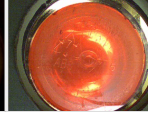
SCALE POTENTIAL

method	limit/base	current	history1	history2		
Calcium	ppm	ASTM D6130	>100	0	0	0
Magnesium	ppm	ASTM D6130	>40	0	0	2
Hardness	mg/L CaCO3	*In-house	<75	0	0	---

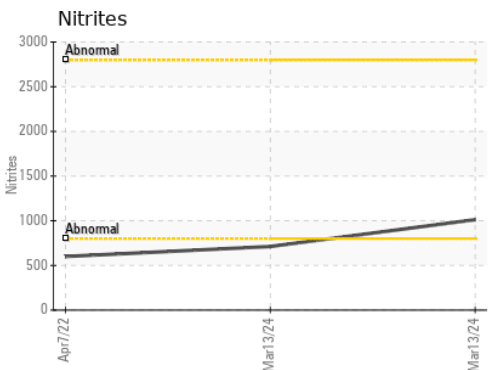
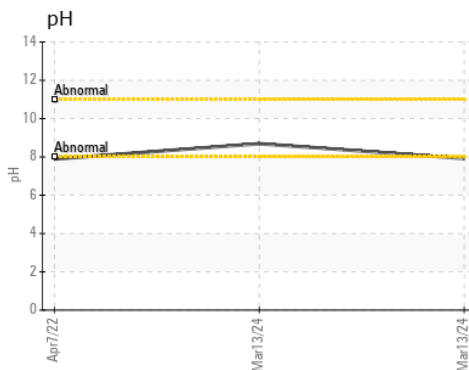
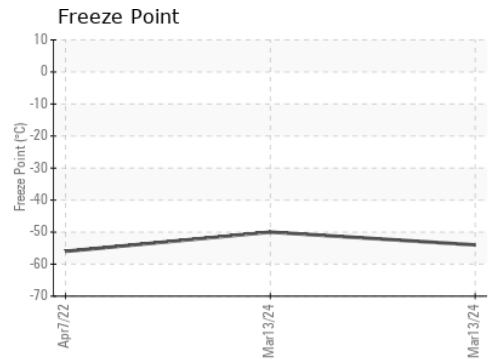
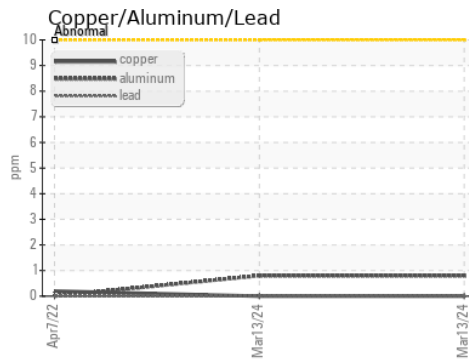
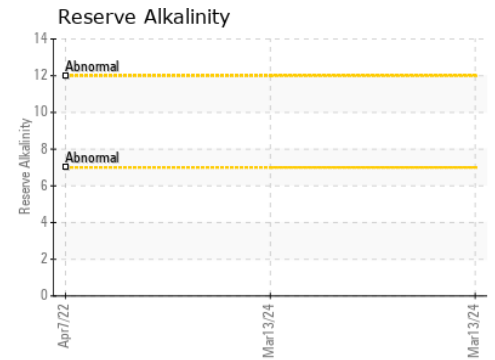
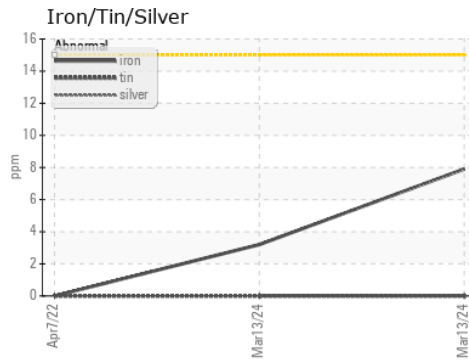


COOLANT REPORT



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. : NX015547

Lab Number : 06135996

Unique Number : 10955461

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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