



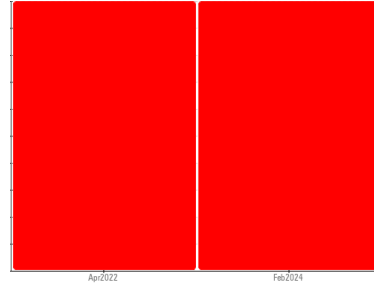
COOLANT REPORT

Sample Rating Trend

WEAR



Area
THUNDER SPIRIT [200005313]
 Machine Id
26WEA84036 - GEN (S/N 72802187603)
 Component
Coolant
 Fluid
EXTENDED LIFE COOLANT (--- QTS)



DIAGNOSIS

▲ Recommendation

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Corrosion

Metal levels indicate 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		NX014743	NX010580	---
Sample Date	Client Info		12 Feb 2024	18 Apr 2022	---
Machine Age	hrs	Client Info	59995	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			SEVERE	SEVERE	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
Glycol Type	FT-IR		---	---	---
Specific Gravity	*ASTM D1298		1.068	1.067	---
pH	Scale 0-14	ASTM D1287	8.66	8.71	---
Nitrites	ppm	AP-053:2009	676	336	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121	---	---	---
Percentage Glycol	%	ASTM D3321	50.4	49.5	---
Freezing Point	°F	ASTM D3321	-35	-33	---
Total Dissolved Solids			214.5	212.0	---
Carboxylate			n/a	n/a	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	59	142	---
Phosphorus	ppm	ASTM D6130	674	468	---
Boron	ppm	ASTM D6130	108	170	---
Molybdenum	ppm	ASTM D6130	309	621	---

CORROSION

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130 >15	▲ 57	▲ 177	---
Aluminum	ppm	ASTM D6130 >10	▲ 23	▲ 49	---
Copper	ppm	ASTM D6130 >10	2	<1	---
Lead	ppm	ASTM D6130 >10	1	<1	---
Tin	ppm	ASTM D6130 >10	0	0	---
Zinc	ppm	ASTM D6130	10	24	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130	44	0	---

CARRIER SALTS

	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130	756	781	---
Potassium	ppm	ASTM D6130	1864	1119	---

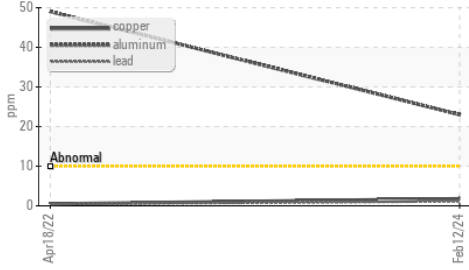
SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130	1	<1	---
Magnesium	ppm	ASTM D6130	1	3	---

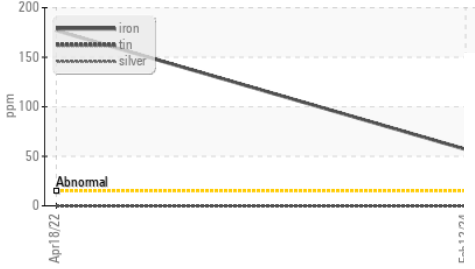


COOLANT REPORT

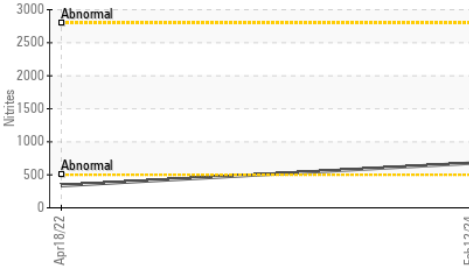
▲ Copper/Aluminum/Lead

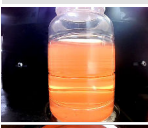





▲ Iron/Tin/Silver



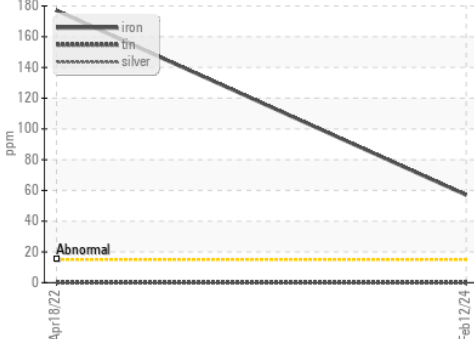
Nitrites



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Orange	Orange	---
Coolant Appearance	*Visual	Clear	normal	hazy	---
Color					no image
Bottom					no image

GRAPHS

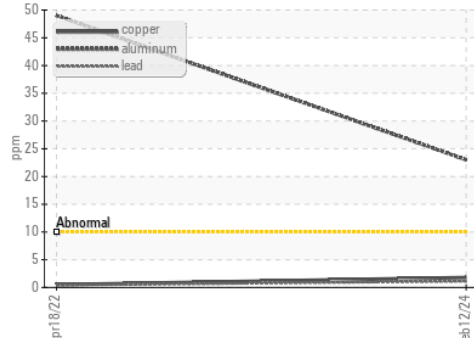
▲ Iron/Tin/Silver



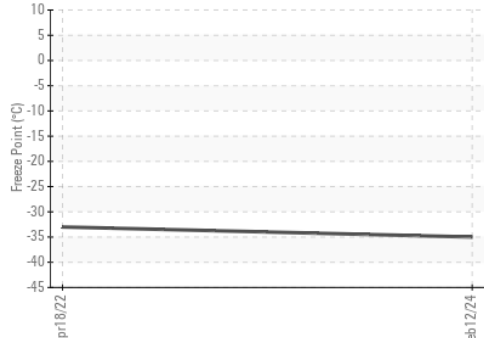
Reserve Alkalinity



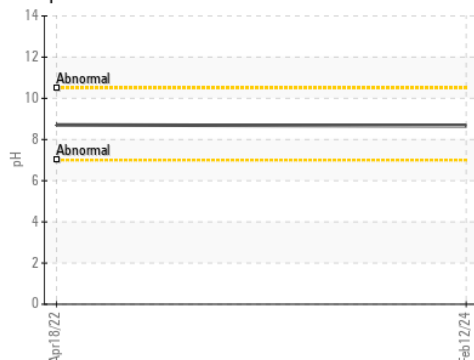
▲ Copper/Aluminum/Lead



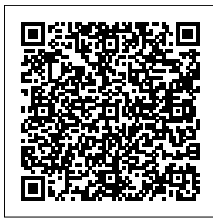
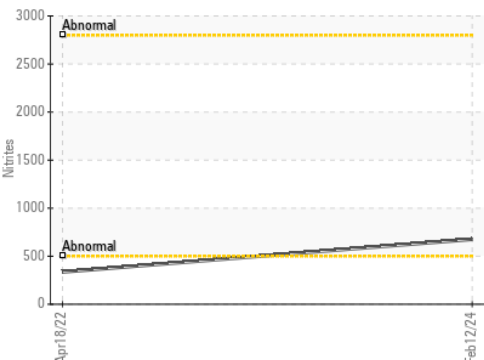
Freeze Point



pH



Nitrites



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX014743
Lab Number : 06123294
Unique Number : 10937445
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

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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)