



COOLANT REPORT

CORROSION	SEVERE
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
THUNDER SPIRIT [200005313]
 Machine Id
01WEA84010 - GEN (S/N 72802187632)
 Component
Coolant
 Fluid
CONVENTIONAL COOLANT (--- LTR)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		NX014498	---	---
Sample Date		Client Info		15 Feb 2024	---	---
Machine Age	hrs	Client Info		57300	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

CORROSION

Metal levels indicate corrosion in the cooling system.

Iron	ppm	ASTM D6130	>15	▲ 38	---	---
Aluminum	ppm	ASTM D6130	>10	5	---	---
Copper	ppm	ASTM D6130	>10	1	---	---
Lead	ppm	ASTM D6130	>10	1	---	---
Tin	ppm	ASTM D6130	>10	0	---	---
Zinc	ppm	ASTM D6130	>10	6	---	---

CONTAMINANTS

There is no indication of any contamination in the coolant.

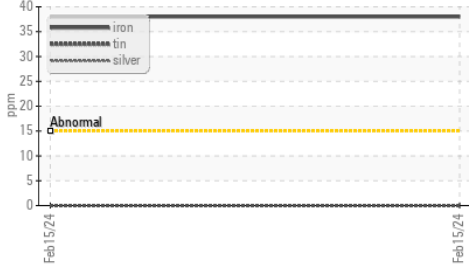
Calcium	ppm	ASTM D6130		<1	---	---
Chlorine	ppm	ASTM D6130		23	---	---
Magnesium	ppm	ASTM D6130		<1	---	---
Total Dissolved Solids				267.0	---	---
Coolant Appearance		*Visual	Clear	normal	---	---

COOLANT CONDITION

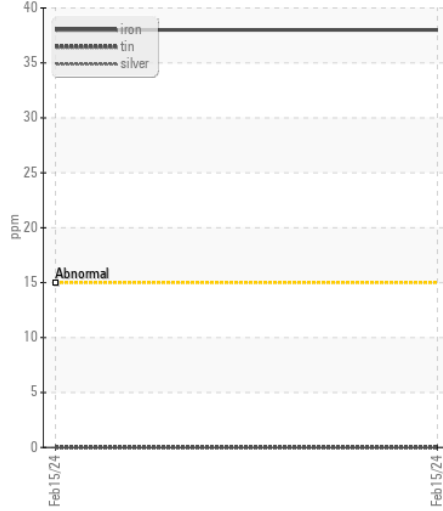
Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

Boiling Point	°C	WC Method		227	---	---
Specific Gravity		*ASTM D1298		1.073	---	---
pH	Scale 0-14	ASTM D1287		8.43	---	---
Nitrites	ppm	AP-053:2009		936	---	---
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		54.6	---	---
Freezing Point	°F	ASTM D3321		-45	---	---
Carboxylate				n/a	---	---
Silicon	ppm	ASTM D6130		23	---	---
Phosphorus	ppm	ASTM D6130		1031	---	---
Boron	ppm	ASTM D6130		173	---	---
Molybdenum	ppm	ASTM D6130		160	---	---
Sodium	ppm	ASTM D6130		523	---	---
Potassium	ppm	ASTM D6130		2999	---	---
Coolant Color		*Visual		Pink	---	---

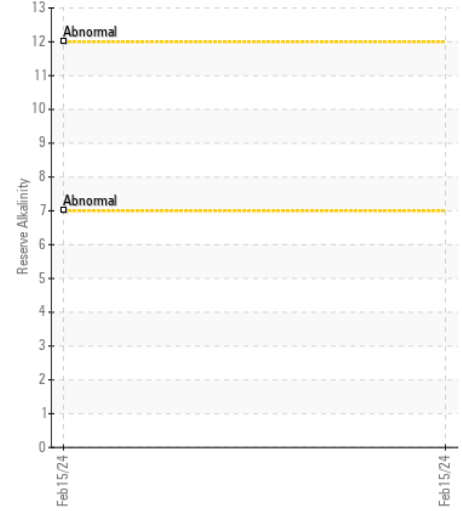
▲ Iron/Tin/Silver



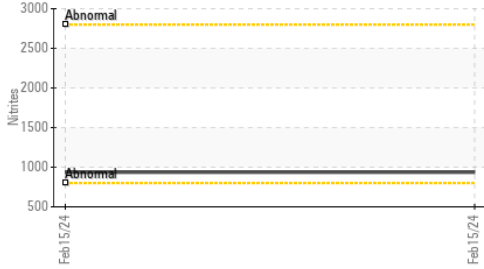
▲ Iron/Tin/Silver



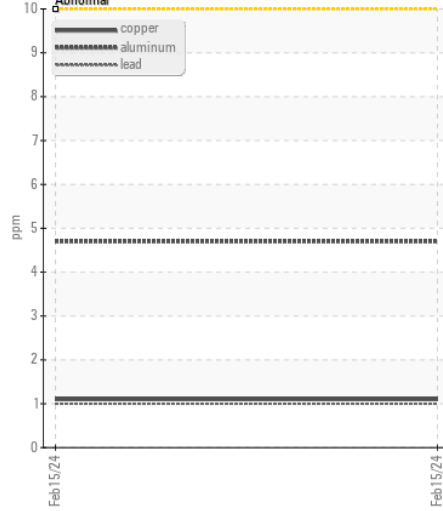
Reserve Alkalinity



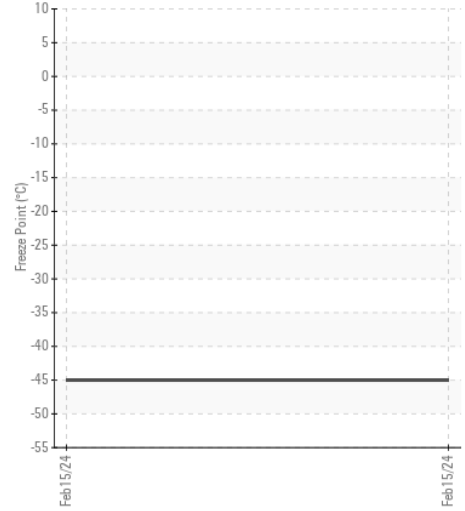
Nitrites



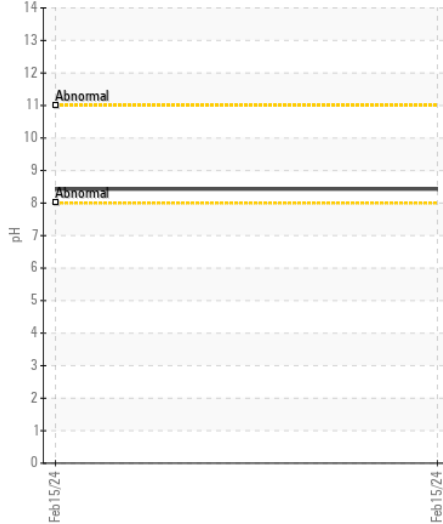
Copper/Aluminum/Lead



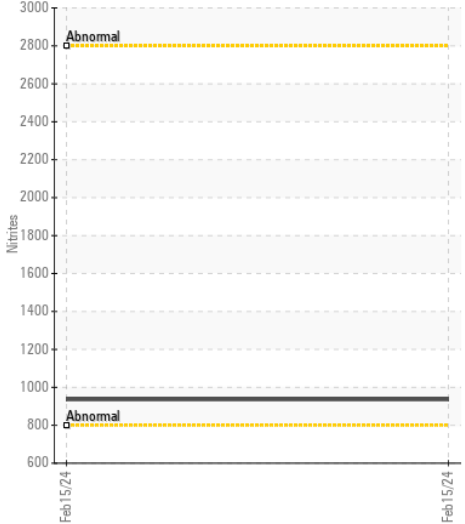
Freeze Point



pH



Nitrites



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX014498
Lab Number : 06123289
Unique Number : 10937440
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

Received : 19 Mar 2024
Tested : 20 Mar 2024
Diagnosed : 22 Mar 2024 - Jonathan Hester

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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)