



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
THUNDER SPIRIT [200009532]
 Machine Id
22WEA84043 - GEN (S/N 72802187617)
 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		NX014815	NX011692	NX004892
Sample Date		Client Info		29 Apr 2024	09 Mar 2023	17 May 2022
Machine Age	hrs	Client Info		60876	0	53038
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	MARGINAL	MARGINAL

CORROSION

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

Iron	ppm	ASTM D6130	>15	1	▲ 23	▲ 23
Aluminum	ppm	ASTM D6130	>10	<1	1	2
Copper	ppm	ASTM D6130	>10	1	1	<1
Lead	ppm	ASTM D6130	>10	0	0	<1
Tin	ppm	ASTM D6130	>10	0	0	<1
Zinc	ppm	ASTM D6130	>10	0	3	3

CONTAMINANTS

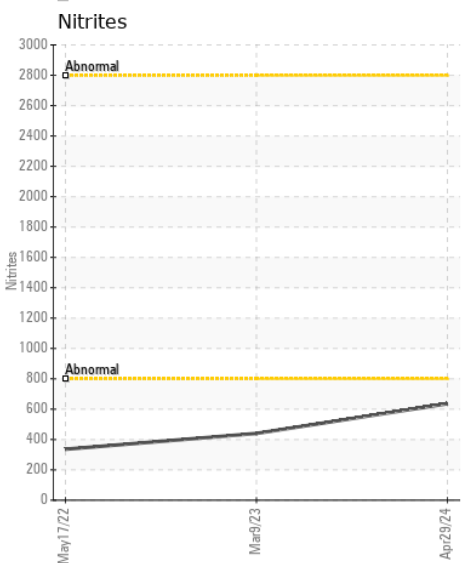
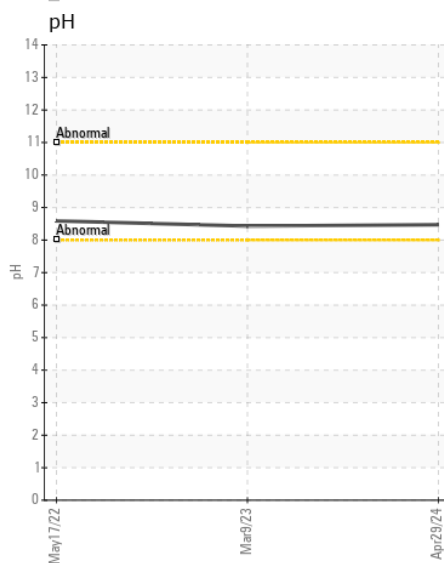
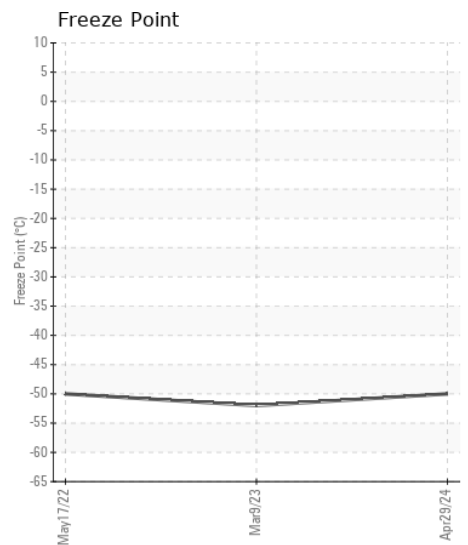
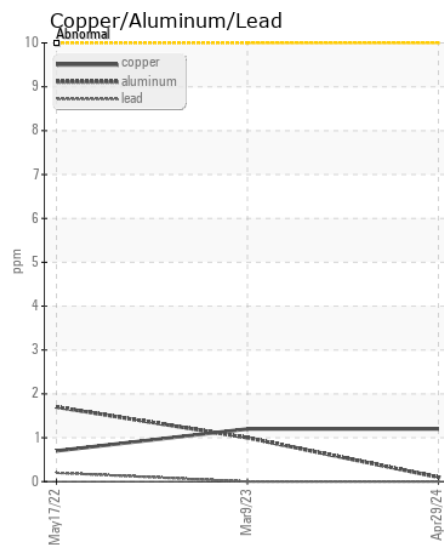
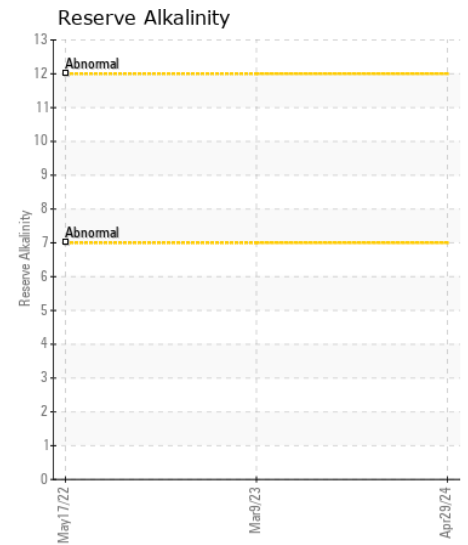
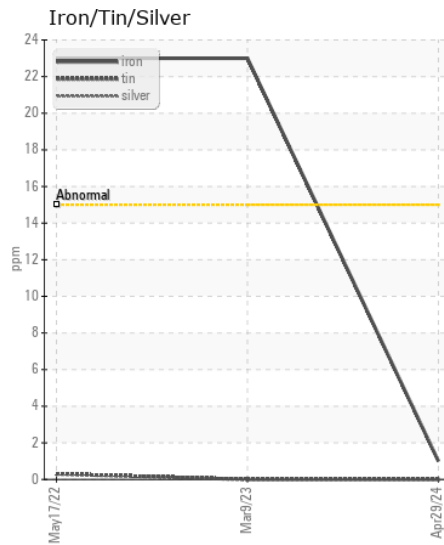
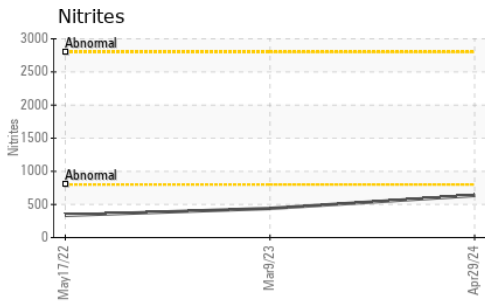
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		0	0	1
Chlorine	ppm	ASTM D6130		0	19	20
Magnesium	ppm	ASTM D6130		2	<1	<1
Total Dissolved Solids				210.0	282.0	272.0
Coolant Appearance		*Visual	Clear	normal	normal	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		228	---	---
Specific Gravity		*ASTM D1298		1.076	1.076	1.076
pH	Scale 0-14	ASTM D1287		8.47	8.43	8.59
Nitrites	ppm	AP-053:2009		636	440	336
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		56.6	57.0	56.5
Freezing Point	°F	ASTM D3321		-50	-52	-50
Carboxylate				n/a	n/a	n/a
Silicon	ppm	ASTM D6130		15	37	37
Phosphorus	ppm	ASTM D6130		2226	2310	901
Boron	ppm	ASTM D6130		417	377	274
Molybdenum	ppm	ASTM D6130		31	197	188
Sodium	ppm	ASTM D6130		570	903	496
Potassium	ppm	ASTM D6130		5777	7757	1932
Coolant Color		*Visual		Pink	Orange	Orange



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX014815 **Received** : 24 May 2024
Lab Number : 06190896 **Tested** : 30 May 2024
Unique Number : 11047648 **Diagnosed** : 30 May 2024 - Jonathan Hester
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)