



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
THUNDER SPIRIT [200009532]
 Machine Id
10WEA84014 - GEN (S/N EWP01554)
 Component
Coolant
 Fluid
INTERCOOL ETHYLENE GLYCOL (--- QTS)

RECOMMENDATION

The fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		NX016649	NX011715	NX009496
Sample Date		Client Info		09 May 2024	03 Apr 2023	24 May 2022
Machine Age	hrs	Client Info		62254	54929	48323
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

CORROSION

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

Iron	ppm	ASTM D6130	>15	10	▲ 35	▲ 61
Aluminum	ppm	ASTM D6130	>10	<1	<1	1
Copper	ppm	ASTM D6130	>10	2	1	<1
Lead	ppm	ASTM D6130	>10	0	0	<1
Tin	ppm	ASTM D6130	>10	0	0	<1
Zinc	ppm	ASTM D6130	>10	<1	2	11

CONTAMINANTS

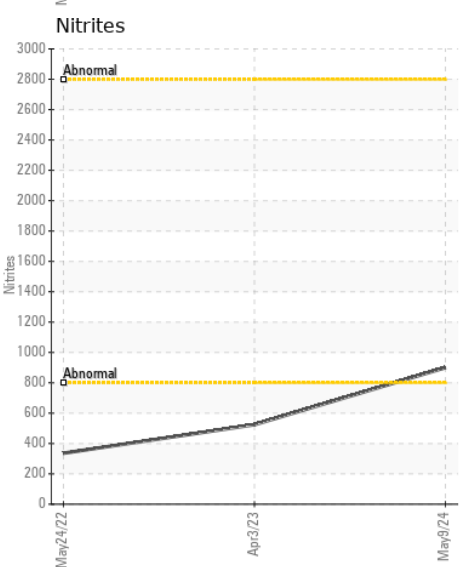
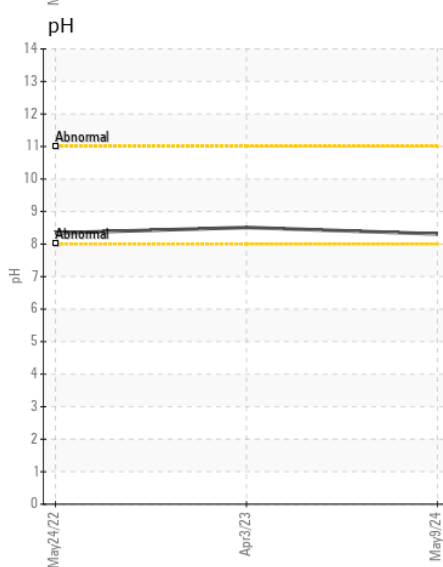
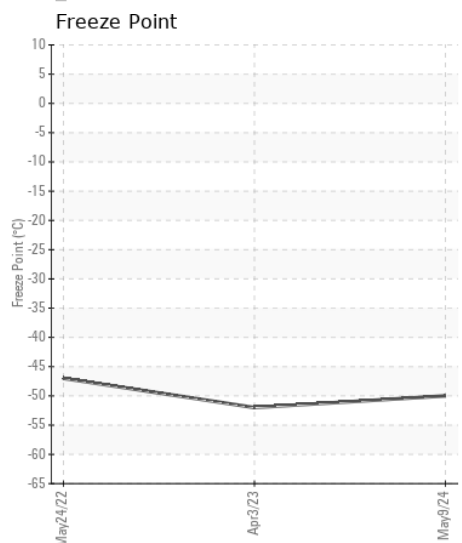
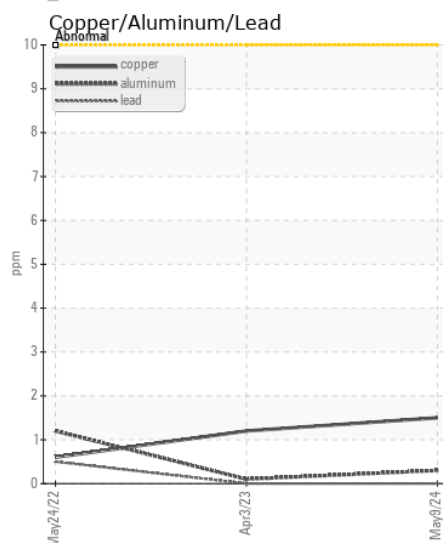
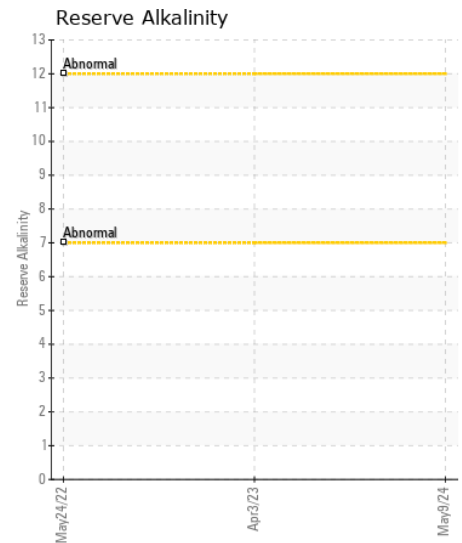
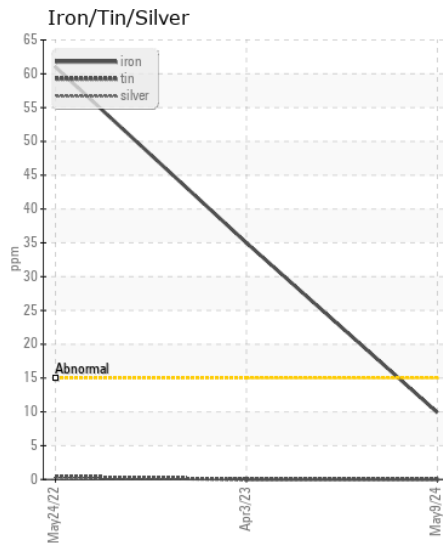
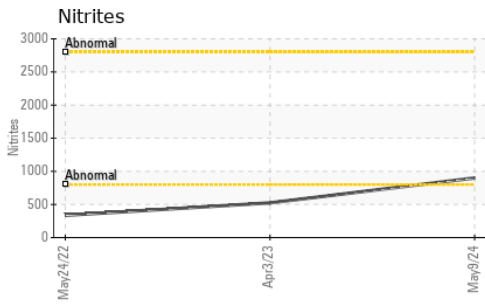
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		0	0	2
Chlorine	ppm	ASTM D6130		12	23	27
Magnesium	ppm	ASTM D6130		<1	<1	1
Total Dissolved Solids				214.5	265.0	266.5
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		1.075	1.076	1.075
pH	Scale 0-14	ASTM D1287		8.31	8.51	8.34
Nitrites	ppm	AP-053:2009		900	524	336
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		56.1	57.1	55.9
Freezing Point	°F	ASTM D3321		-50	-52	-47
Carboxylate				n/a	n/a	n/a
Silicon	ppm	ASTM D6130		29	85	128
Phosphorus	ppm	ASTM D6130		1589	2039	1016
Boron	ppm	ASTM D6130		339	338	263
Molybdenum	ppm	ASTM D6130		218	176	323
Sodium	ppm	ASTM D6130		919	1015	584
Potassium	ppm	ASTM D6130		4526	6810	1969
Coolant Color		*Visual		Pink	Orange	Orange



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX016649 **Received** : 24 May 2024
Lab Number : 06190897 **Tested** : 30 May 2024
Unique Number : 11047649 **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)