



COOLANT REPORT

CORROSION	ABNORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
THUNDER SPIRIT [200009532]
 Machine Id
38WEA84021 - CONVERTER (S/N EWP01528)
 Component
Coolant
 Fluid
INTERCOOL ETHYLENE GLYCOL (--- QTS)

RECOMMENDATION

We recommend drain/flush system, and refill with 50/50 antifreeze water mixture.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		NX014771	NX009486	NX010576
Sample Date		Client Info		09 Apr 2024	21 Jun 2022	07 Apr 2022
Machine Age	hrs	Client Info		60399	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	NORMAL

CORROSION

Metal levels are high indicating corrosion in the cooling system.

Iron	ppm	ASTM D6130	>15	▲ 24	▲ 328	0
Aluminum	ppm	ASTM D6130	>10	0	3	0
Copper	ppm	ASTM D6130	>10	2	<1	<1
Lead	ppm	ASTM D6130	>10	0	0	0
Tin	ppm	ASTM D6130	>10	0	0	0
Zinc	ppm	ASTM D6130	>10	2	25	0

CONTAMINANTS

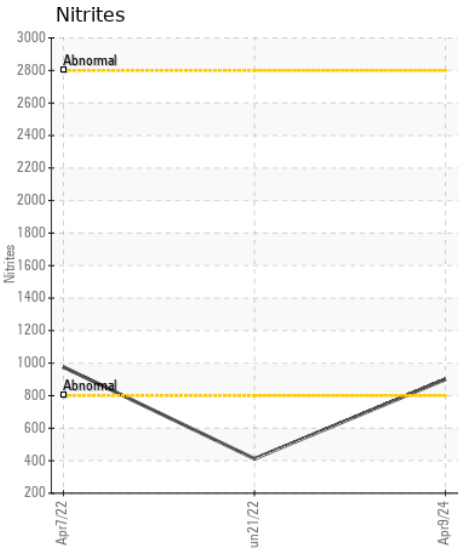
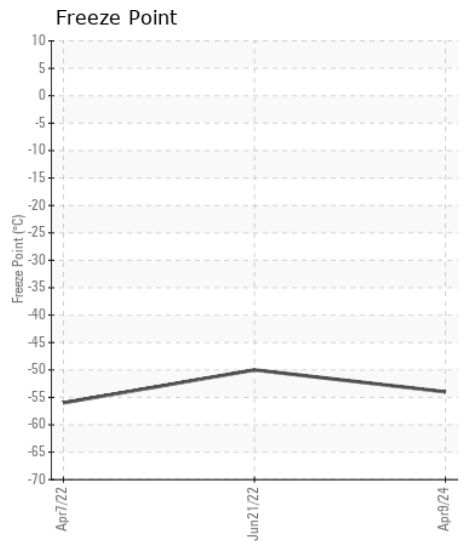
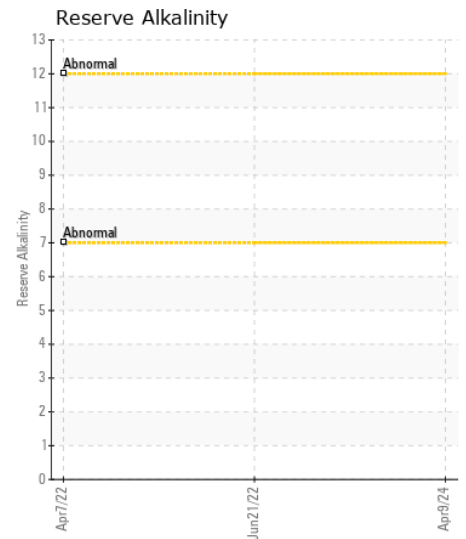
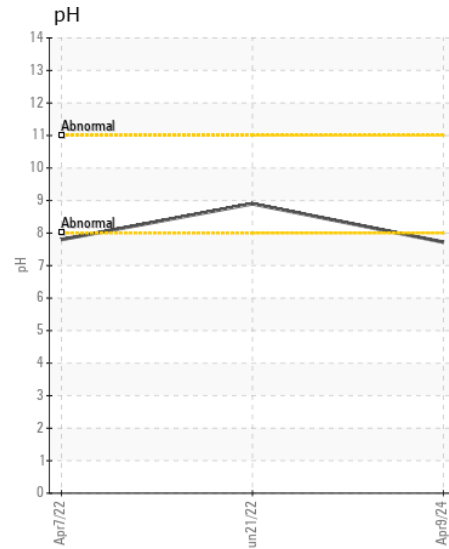
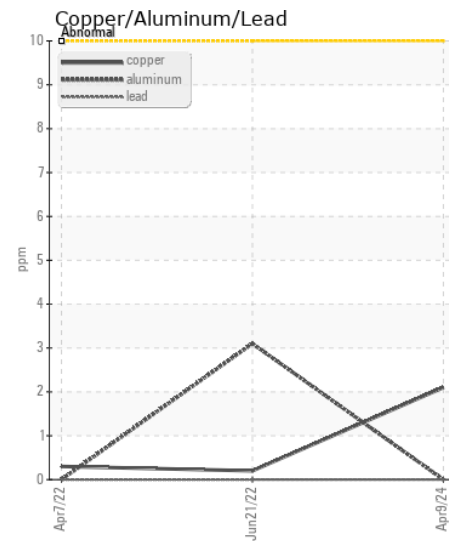
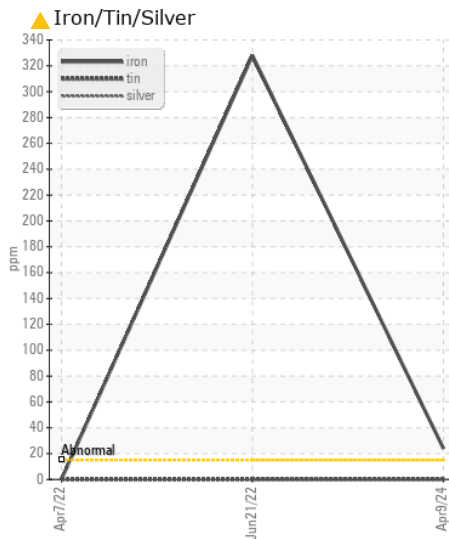
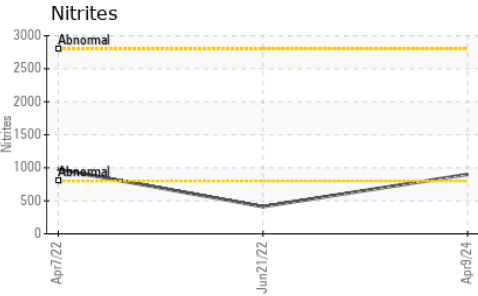
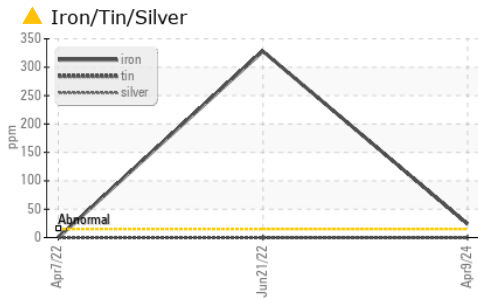
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		0	<1	0
Chlorine	ppm	ASTM D6130		13	26	0
Magnesium	ppm	ASTM D6130		1	2	2
Total Dissolved Solids				259.5	253.0	319.5
Coolant Appearance		*Visual	Clear	normal	hazy	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		229	---	---
Specific Gravity		*ASTM D1298		1.078	1.076	1.079
pH	Scale 0-14	ASTM D1287		7.72	8.90	7.80
Nitrites	ppm	AP-053:2009		900	412	976
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		58.7	56.5	59.6
Freezing Point	°F	ASTM D3321		-54	-50	-56
Carboxylate				n/a	n/a	n/a
Silicon	ppm	ASTM D6130		119	118	18
Phosphorus	ppm	ASTM D6130		1700	899	1384
Boron	ppm	ASTM D6130		314	286	426
Molybdenum	ppm	ASTM D6130		210	328	2
Sodium	ppm	ASTM D6130		975	550	335
Potassium	ppm	ASTM D6130		4262	1886	2409
Coolant Color		*Visual		Orange	Orange	Yellow



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX014771 **Received** : 24 May 2024
Lab Number : 06190900 **Tested** : 30 May 2024
Unique Number : 11047652 **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)