



COOLANT REPORT

Sample Rating Trend



NORMAL



Area
FRONTIER II [200006776]
 Machine Id
05WEA86933
 Component
Coolant
 Fluid
HYBRID (HOAT) COOLANT (--- LTR)

DIAGNOSIS

Recommendation

The fluid is suitable for further service.

Corrosion

All metal levels are normal indicating no 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	NX06026998	NX05799033	NX05471862
Sample Date	Client Info	27 Nov 2023	21 Mar 2023	31 Jan 2022
Machine Age	hrs Client Info	0	0	0
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		NORMAL	SEVERE	SEVERE

PHYSICAL TEST RESULTS

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	1.060	1.056	---
pH	Scale 0-14 ASTM D1287	7.87	8.27	8.50
Nitrites	ppm AP-053:2009	336	336	224
Reserve Alkalinity	Scale 0-20 *ASTM D1121	---	---	---
Percentage Glycol	% ASTM D3321	44.6	41.1	43
Freezing Point	°F ASTM D3321	-21	-15	-22
Total Dissolved Solids		250.0	150.5	144.5
Carboxylate		n/a	n/a	fail

CORROSION INHIBITORS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D6130	15	121	75
Phosphorus	ppm ASTM D6130	0	135	104
Boron	ppm ASTM D6130	0	0	<1
Molybdenum	ppm ASTM D6130	129	1200	1061

CORROSION

method	limit/base	current	history1	history2
Iron	ppm ASTM D6130 >15	0	938	102
Aluminum	ppm ASTM D6130 >10	1	222	89
Copper	ppm ASTM D6130 >10	18	<1	1
Lead	ppm ASTM D6130 >10	<1	2	1
Tin	ppm ASTM D6130 >10	<1	1	0
Zinc	ppm ASTM D6130	8	230	37

CONTAMINANTS

method	limit/base	current	history1	history2
Chlorine	ppm ASTM D6130	9	111	99

CARRIER SALTS

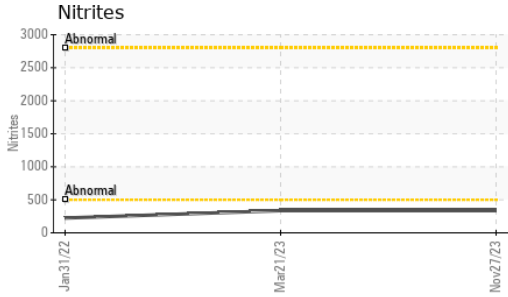
method	limit/base	current	history1	history2
Sodium	ppm ASTM D6130	2627	1150	555
Potassium	ppm ASTM D6130	296	2025	557



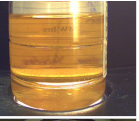



SCALE POTENTIAL

method	limit/base	current	history1	history2
Calcium	ppm ASTM D6130	1	16	17
Magnesium	ppm ASTM D6130	<1	9	8

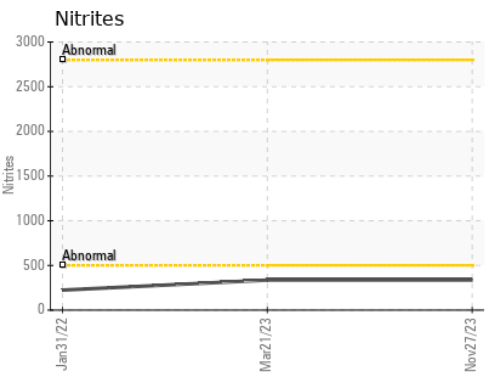
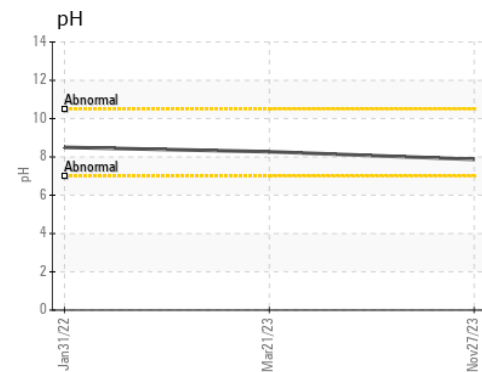
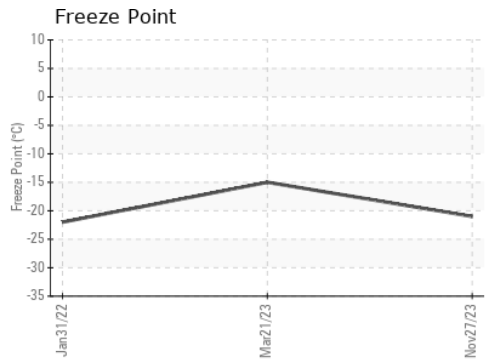
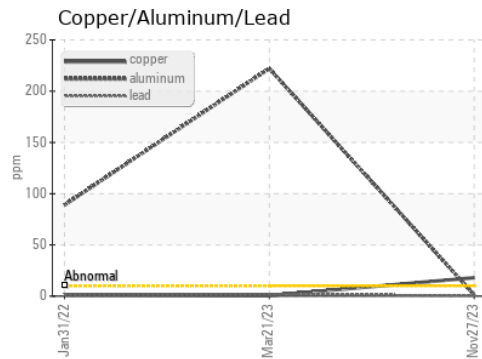
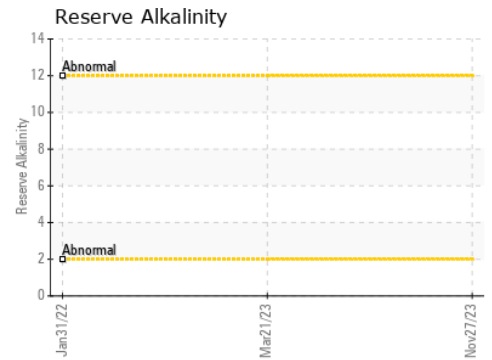
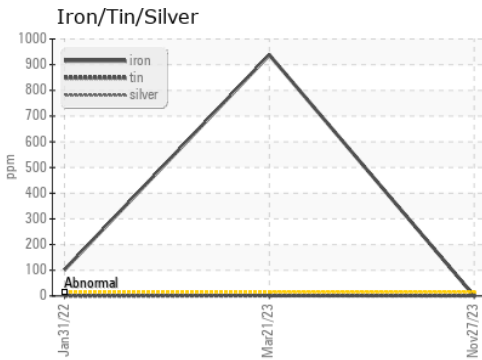


COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Yllow	Orange	Yllow
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					
Bottom					

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX06026998 **Received** : 06 Dec 2023
Lab Number : 06026998 **Diagnosed** : 11 Dec 2023
Unique Number : 10776789 **Diagnostician** : Doug Bogart
Test Package : COOL- (Additional Tests: COOL, 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)