



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ABNORMAL

SEVERE

ABNORMAL

Machine Id
TROAJN 703002
Component
Starboard Transmission (Auto)
Fluid
{not provided} (2 LTR)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

Lead ppm levels are abnormal. Clutch disc wear indicated.

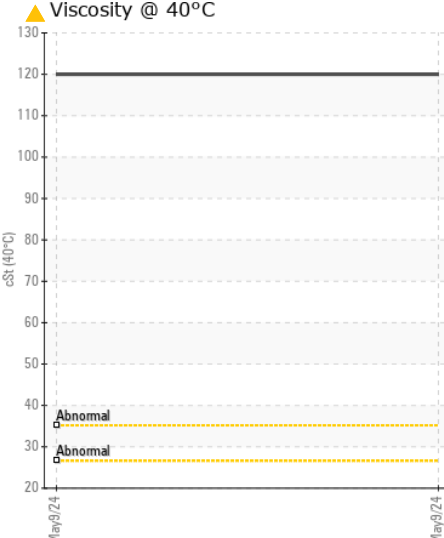
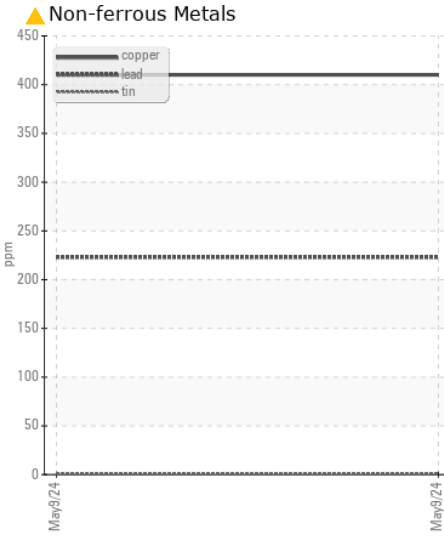
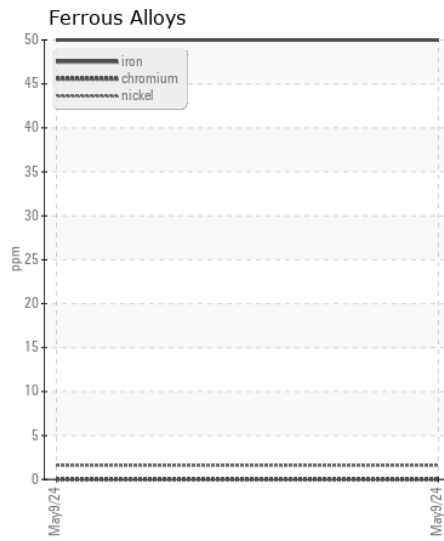
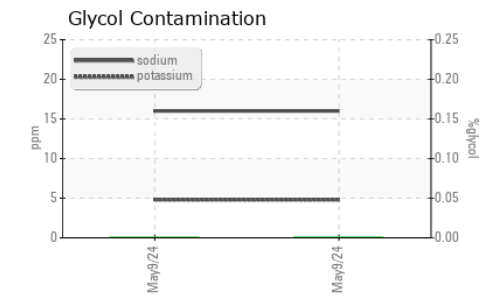
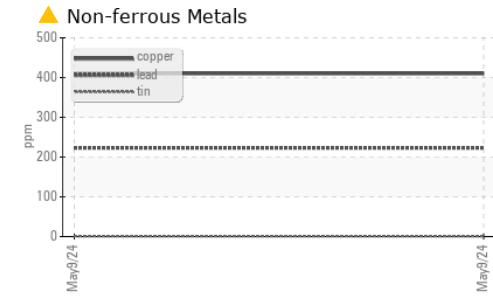
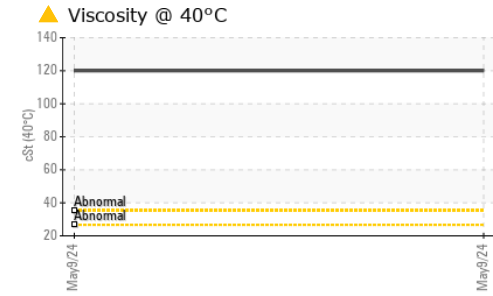
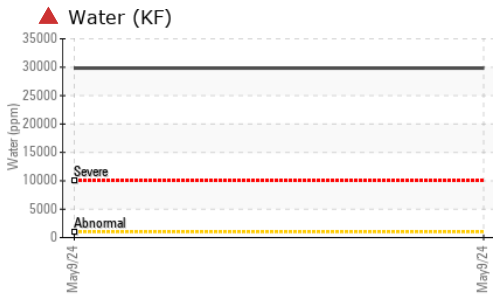
CONTAMINATION

There is a high concentration of water present in the fluid. Test for glycol is negative.

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0940408	---	---
Sample Date		Client Info		09 May 2024	---	---
Machine Age	hrs	Client Info		300	---	---
Oil Age	hrs	Client Info		300	---	---
Filter Age	hrs	Client Info		300	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185(m)	>160	50	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	2	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>5	0	---	---
Aluminum	ppm	ASTM D5185(m)	>50	2	---	---
Lead	ppm	ASTM D5185(m)	>50	▲ 223	---	---
Copper	ppm	ASTM D5185(m)	>225	410	---	---
Tin	ppm	ASTM D5185(m)	>10	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>20	6	---	---
Potassium	ppm	ASTM D5185(m)	>20	5	---	---
Water	%	ASTM D6304*	>0.1	▲ 2.983	---	---
ppm Water	ppm	ASTM D6304*	>1000	▲ 29836	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	▲ MILKY	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	▲ .5%	---	---
Sodium	ppm	ASTM D5185(m)		16	---	---
Boron	ppm	ASTM D5185(m)		57	---	---
Barium	ppm	ASTM D5185(m)		1	---	---
Molybdenum	ppm	ASTM D5185(m)		4	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		74	---	---
Calcium	ppm	ASTM D5185(m)		979	---	---
Phosphorus	ppm	ASTM D5185(m)		799	---	---
Zinc	ppm	ASTM D5185(m)		749	---	---
Sulfur	ppm	ASTM D5185(m)		6275	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		▲ 120	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0940408 **Received** : 14 May 2024
Lab Number : 02635329 **Tested** : 15 May 2024
Unique Number : 5776482 **Diagnosed** : 15 May 2024 - Kevin Marson
Test Package : MAR 1 (Additional Tests: Glycol, KF)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.