



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
TROAJN 702997
Component
Port Transmission (Auto)
Fluid
{not provided} (2 LTR)

RECOMMENDATION

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

Copper and lead ppm levels are abnormal. Clutch disc wear or oil cooler leaching indicated.

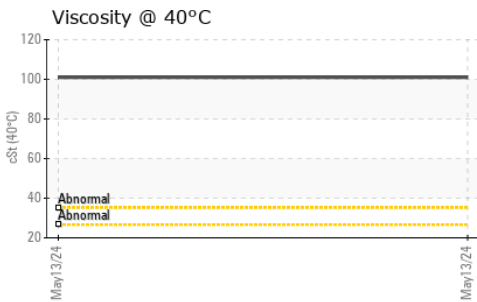
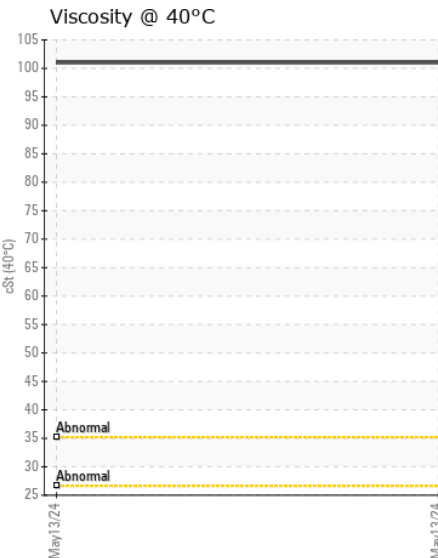
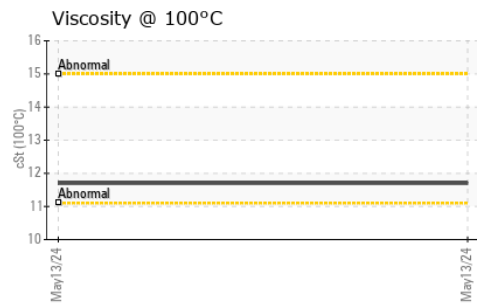
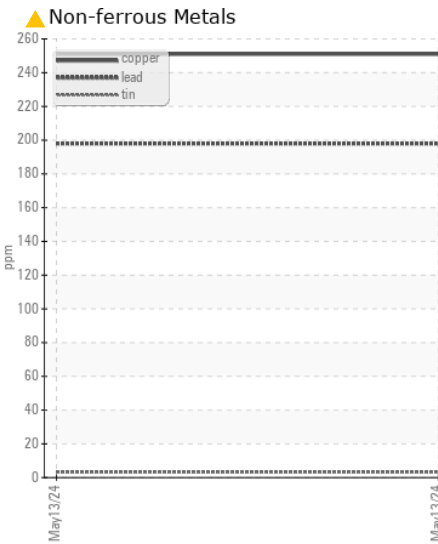
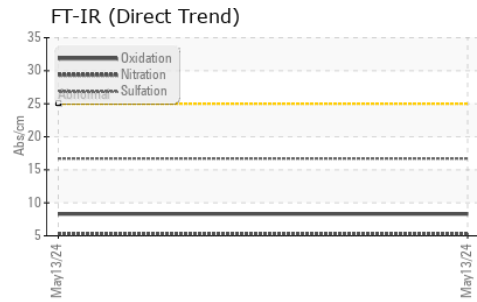
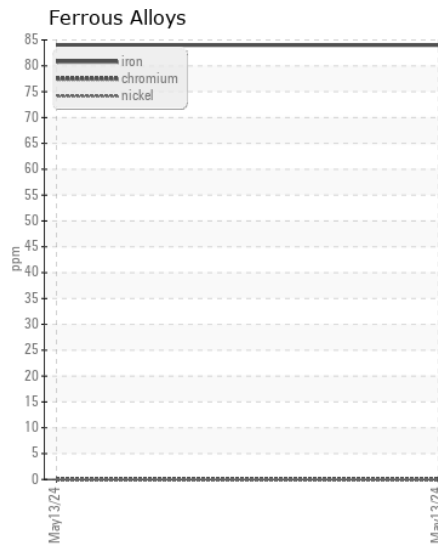
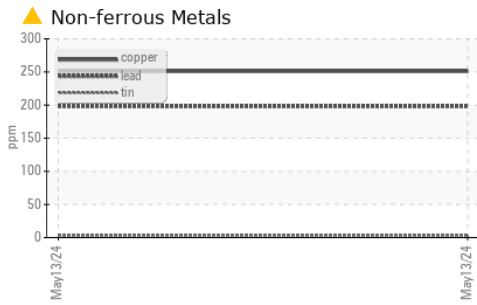
CONTAMINATION

There is no indication of any contamination in the fluid.

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		WC0940407	---	---
Sample Date		Client Info		13 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				ABNORMAL	---	---
<hr/>						
Iron	ppm	ASTM D5185(m)	>160	84	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>5	<1	---	---
Aluminum	ppm	ASTM D5185(m)	>50	1	---	---
Lead	ppm	ASTM D5185(m)	>50	▲ 198	---	---
Copper	ppm	ASTM D5185(m)	>225	▲ 251	---	---
Tin	ppm	ASTM D5185(m)	>10	3	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
<hr/>						
Silicon	ppm	ASTM D5185(m)	>20	5	---	---
Potassium	ppm	ASTM D5185(m)	>20	7	---	---
Water		WC Method	>0.1	NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		5.3	---	---
Sulfation	Abs/.1mm	ASTM D7415*		16.7	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
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Sodium	ppm	ASTM D5185(m)		8	---	---
Boron	ppm	ASTM D5185(m)		161	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		5	---	---
Manganese	ppm	ASTM D5185(m)		<1	---	---
Magnesium	ppm	ASTM D5185(m)		108	---	---
Calcium	ppm	ASTM D5185(m)		2016	---	---
Phosphorus	ppm	ASTM D5185(m)		846	---	---
Zinc	ppm	ASTM D5185(m)		849	---	---
Sulfur	ppm	ASTM D5185(m)		5774	---	---
Oxidation	Abs/.1mm	ASTM D7414*		8.3	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		101	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		11.7	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		104	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0940407
Lab Number : 02635172
Unique Number : 5776325
Test Package : MAR 1 (Additional Tests: FT-IR, KV100, VI)

BEACHES MARINE BROKERAGE
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 TORONTO, ON
 CA M4E 1E3
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 T: (416)691-0312
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Received : 14 May 2024
 Tested : 14 May 2024
 Diagnosed : 15 May 2024 - Kevin Marson

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.