



# OIL ANALYSIS REPORT

WEAR	<b>SEVERE</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**CASE 621B JAK0028102**  
 Component  
**Transmission**  
 Fluid  
**{not provided} (--- GAL)**

## 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0910048</b>	---	---
Sample Date		Client Info		<b>05 Mar 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>Not Changd</b>	---	---
Sample Status				<b>SEVERE</b>	---	---

## WEAR

Copper and lead ppm levels are severe. Antimony ppm levels are marginal. Clutch disc wear or oil cooler leaching indicated.

PQ		ASTM D8184*		<b>7</b>	---	---
Iron	ppm	ASTM D5185(m)	>200	<b>104</b>	---	---
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>50	<b>6</b>	---	---
Lead	ppm	ASTM D5185(m)	>50	<b>▲ 843</b>	---	---
Copper	ppm	ASTM D5185(m)	>200	<b>▲ 702</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>1</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

## CONTAMINATION

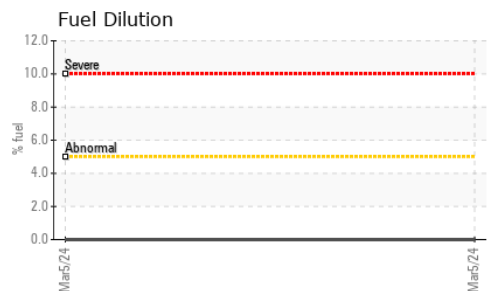
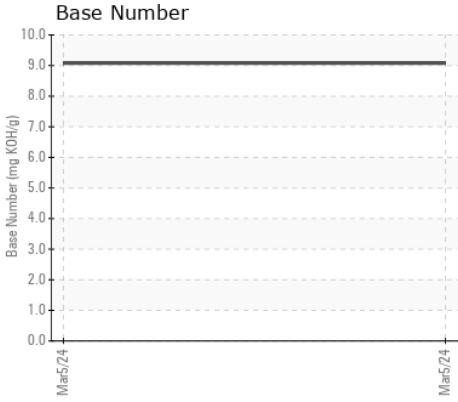
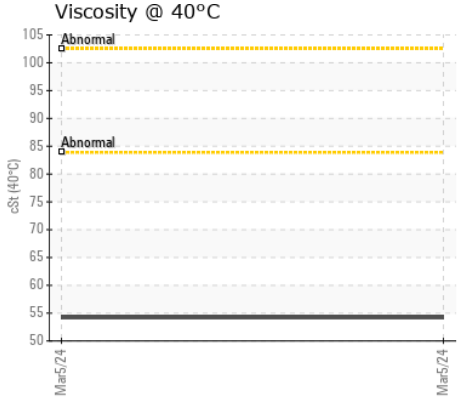
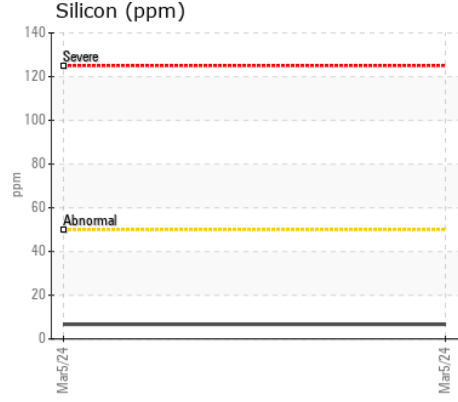
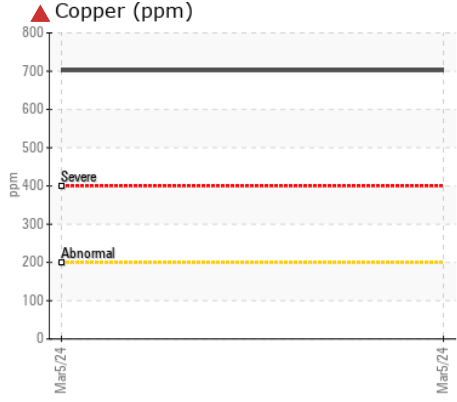
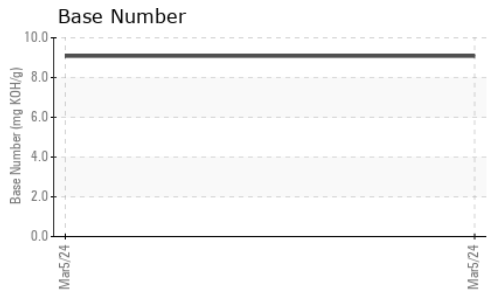
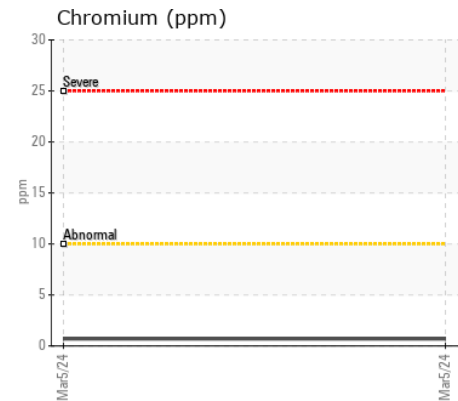
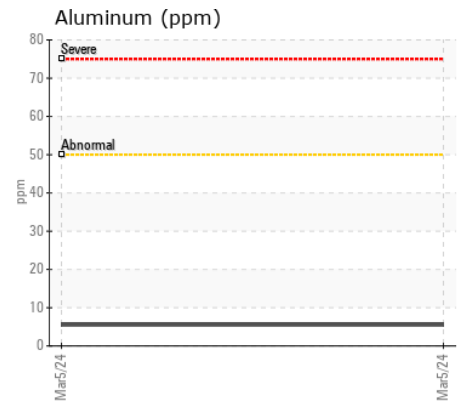
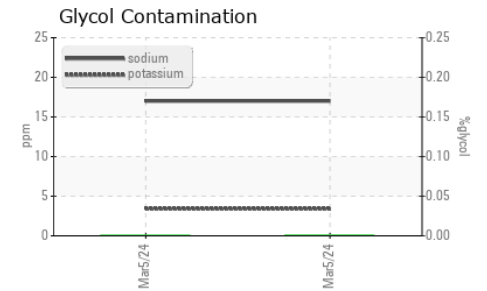
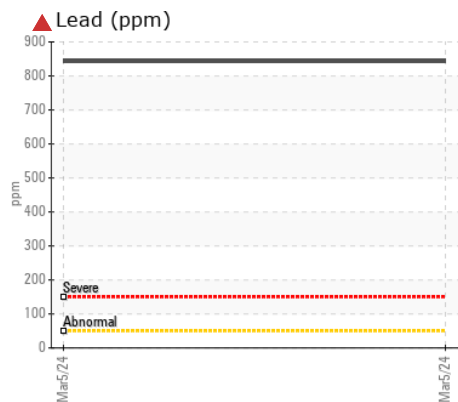
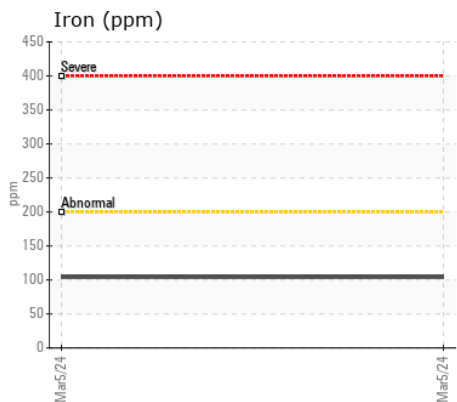
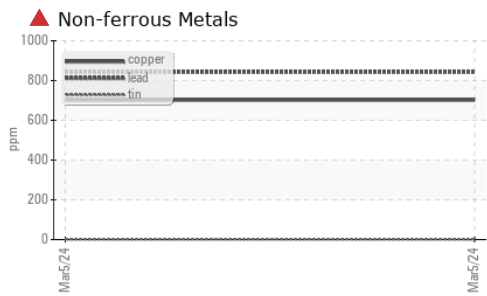
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>50	<b>7</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Glycol	%	ASTM D7922*		<b>0.0</b>	---	---
Soot %	%	ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*		<b>8.7</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*		<b>27.1</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	---	---

## FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		<b>17</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>253</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>49</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>10</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>382</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>2124</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>893</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>931</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>3988</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*		<b>21.0</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		<b>2.00</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>9.08</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		<b>54.2</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>8.6</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		<b>134</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0910048 **Received** : 08 Mar 2024  
**Lab Number** : 02620726 **Tested** : 11 Mar 2024  
**Unique Number** : 5737836 **Diagnosed** : 11 Mar 2024 - Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: FT-IR, FuelDilution, Glycol, KV100, PercentFuel, PQ, TAN Man, TBN)

**STRONGCO EQUIPMENT**  
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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.