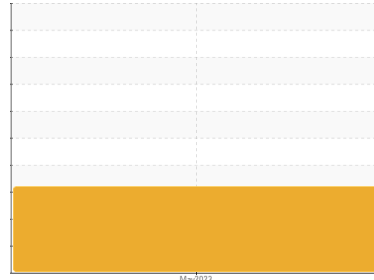




# OIL ANALYSIS REPORT

Sample Rating Trend



**DIRT**



Machine Id  
**NG WC0743229**

Component  
**Transmission (Auto)**  
Fluid  
**ATF (PAO) (--- QTS)**

## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

### ▲ Wear

Gear wear is indicated. Torque converter wear is indicated.

### ▲ Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

### Fluid Condition

The condition of the fluid is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>WC0743229</b>	---	---
Sample Date	Client Info	<b>24 May 2023</b>	---	---
Machine Age	mls Client Info	<b>319046</b>	---	---
Oil Age	mls Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>160	▲ <b>180</b>	---	---
Chromium ppm ASTM D5185m	>5	<b>&lt;1</b>	---	---
Nickel ppm ASTM D5185m	>5	<b>&lt;1</b>	---	---
Titanium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Silver ppm ASTM D5185m	>5	<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>50	▲ <b>55</b>	---	---
Lead ppm ASTM D5185m	>50	<b>15</b>	---	---
Copper ppm ASTM D5185m	>225	<b>44</b>	---	---
Tin ppm ASTM D5185m	>10	<b>11</b>	---	---
Vanadium ppm ASTM D5185m		<b>0</b>	---	---
Cadmium ppm ASTM D5185m		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	175	<b>88</b>	---	---
Barium ppm ASTM D5185m	5	<b>0</b>	---	---
Molybdenum ppm ASTM D5185m	5	<b>&lt;1</b>	---	---
Manganese ppm ASTM D5185m		<b>2</b>	---	---
Magnesium ppm ASTM D5185m	5	<b>2</b>	---	---
Calcium ppm ASTM D5185m	125	<b>54</b>	---	---
Phosphorus ppm ASTM D5185m	290	<b>269</b>	---	---
Zinc ppm ASTM D5185m	10	<b>13</b>	---	---
Sulfur ppm ASTM D5185m	400	<b>368</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>20	▲ <b>27</b>	---	---
Sodium ppm ASTM D5185m		<b>5</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>3</b>	---	---

## VISUAL

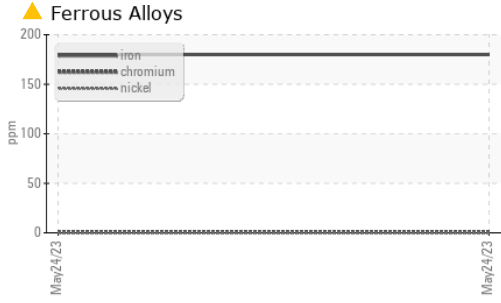
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Yellow Metal scalar *Visual	NONE	<b>NONE</b>	---	---
Precipitate scalar *Visual	NONE	<b>NONE</b>	---	---
Silt scalar *Visual	NONE	<b>NONE</b>	---	---
Debris scalar *Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt 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>	---	---
Free Water scalar *Visual		<b>NEG</b>	---	---

## FLUID PROPERTIES

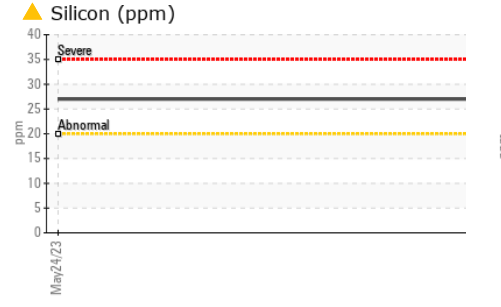
method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	32.3	<b>36.3</b>	---	---



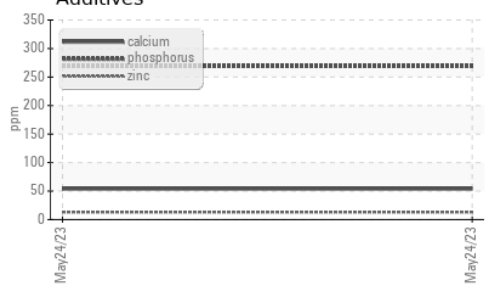
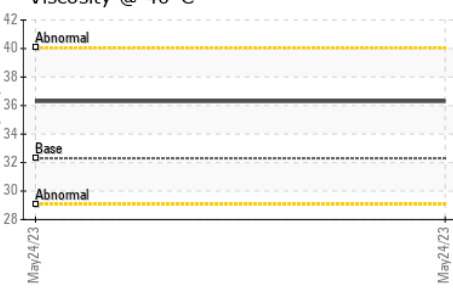
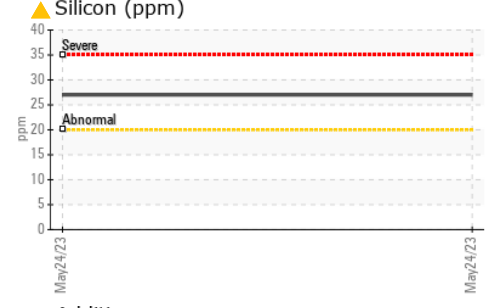
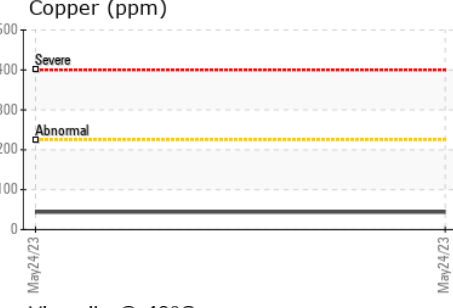
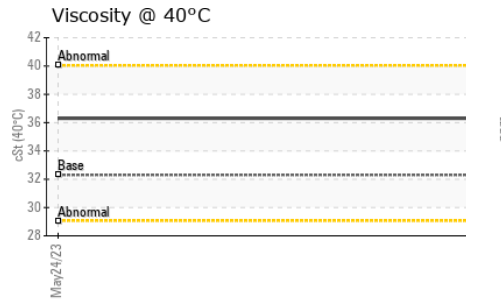
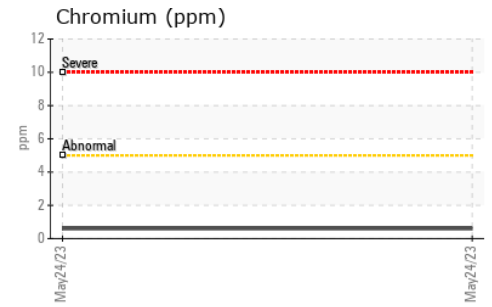
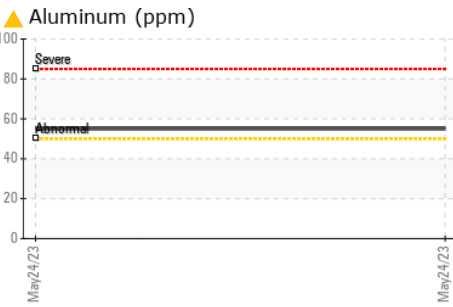
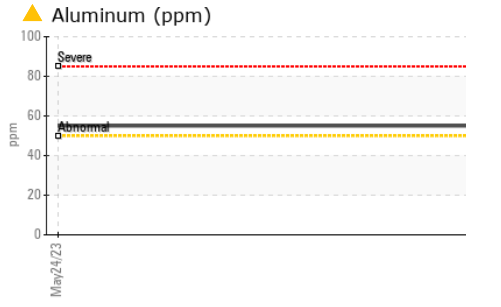
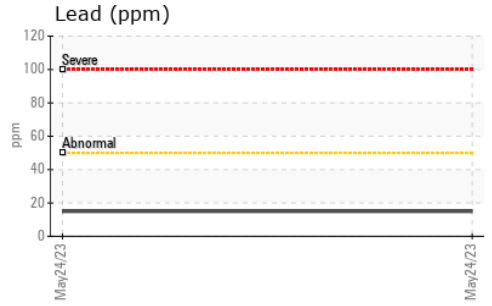
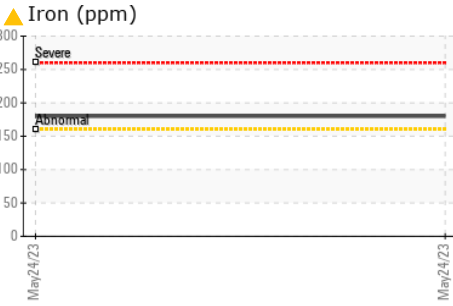
# OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0743229 **Received** : 31 May 2023  
**Lab Number** : 05861543 **Diagnosed** : 02 Jun 2023  
**Unique Number** : 10496008 **Diagnostician** : Jonathan Hester  
**Test Package** : MOB 1

**ATEL BUS & TRUCK**  
 12120 CONWAY RD  
 BELTSVILLE, MD  
 US 20705  
 Contact: BRIAN CONNOLLY  
 bconnolly@atelbus.com  
 T: (301)210-5100  
 F: (301)210-5102

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)