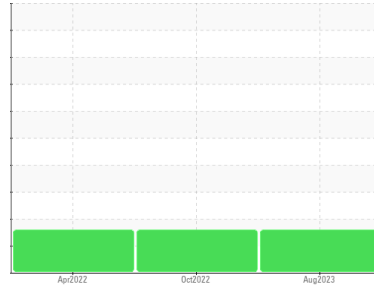




# PROBLEM SUMMARY

## Sample Rating Trend



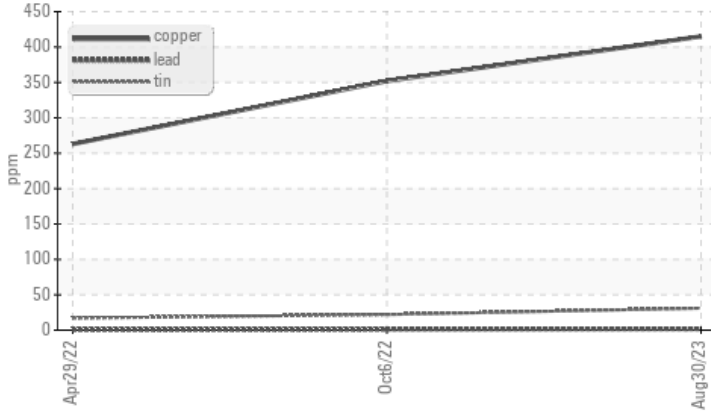
**WEAR**



Machine Id  
**2001**  
 Component  
**Transmission (Auto)**  
 Fluid  
**CASTROL TRANSYND (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Non-ferrous Metals



## RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL
Copper	ppm	ASTM D5185m	>225	▲ <b>415</b>	▲ 352	▲ 263
Tin	ppm	ASTM D5185m	>10	▲ <b>31</b>	▲ 22	▲ 17

Customer Id: TOWCHANC  
 Sample No.: WC0845020  
 Lab Number: 05963869  
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

## HISTORICAL DIAGNOSIS

### 06 Oct 2022 Diag: Don Baldrige

#### WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. Clutch and/or bushing/bearing wear is indicated. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

[view report](#)



### 29 Apr 2022 Diag: Don Baldrige

#### WEAR



No corrective action is recommended at this time. Resample at the next service interval to monitor. Clutch and/or bushing/bearing wear is indicated. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

[view report](#)





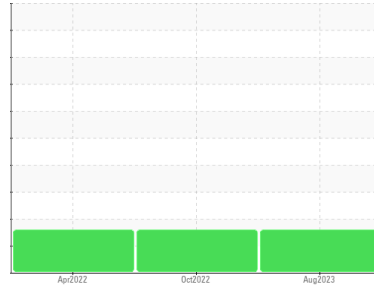
# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**



Machine Id  
**2001**  
 Component  
**Transmission (Auto)**  
 Fluid  
**CASTROL TRANSYND (--- GAL)**



## DIAGNOSIS

### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

Clutch and/or bushing/bearing wear is indicated.

### Contamination

There is no indication of any contamination in the fluid.

### 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>WC0845020</b>	WC0744254	WC0680363
Sample Date	Client Info		<b>30 Aug 2023</b>	06 Oct 2022	29 Apr 2022
Machine Age	mls	Client Info	<b>77679</b>	55621	44766
Oil Age	mls	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >160	<b>83</b>	68	56
Chromium	ppm	ASTM D5185m >5	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m >5	<b>1</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >5	<b>6</b>	5	5
Aluminum	ppm	ASTM D5185m >50	<b>20</b>	14	11
Lead	ppm	ASTM D5185m >50	<b>2</b>	1	<1
Copper	ppm	ASTM D5185m >225	<b>▲ 415</b>	▲ 352	▲ 263
Tin	ppm	ASTM D5185m >10	<b>▲ 31</b>	▲ 22	▲ 17
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 133	<b>126</b>	130	132
Barium	ppm	ASTM D5185m 0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	<b>2</b>	<1	<1
Magnesium	ppm	ASTM D5185m 0	<b>5</b>	<1	<1
Calcium	ppm	ASTM D5185m 27	<b>75</b>	61	60
Phosphorus	ppm	ASTM D5185m 293	<b>367</b>	365	359
Zinc	ppm	ASTM D5185m 0	<b>18</b>	9	8
Sulfur	ppm	ASTM D5185m 1050	<b>844</b>	908	674

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	<b>4</b>	4	3
Sodium	ppm	ASTM D5185m	<b>13</b>	10	9
Potassium	ppm	ASTM D5185m >20	<b>4</b>	0	0

## VISUAL

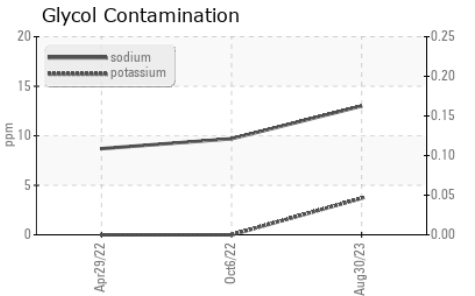
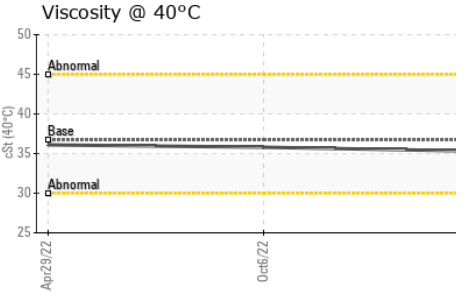
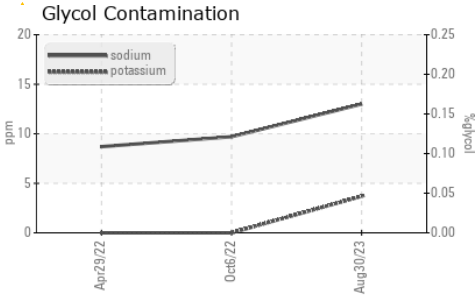
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

## FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 36.7	<b>35.3</b>	35.8	36.1

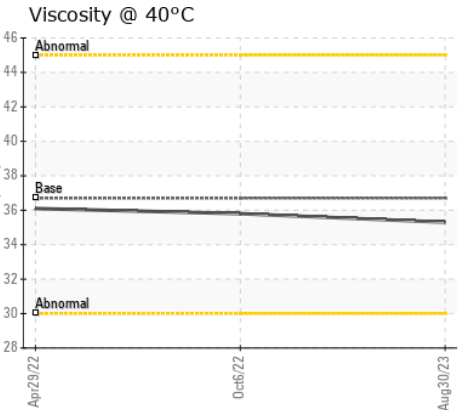
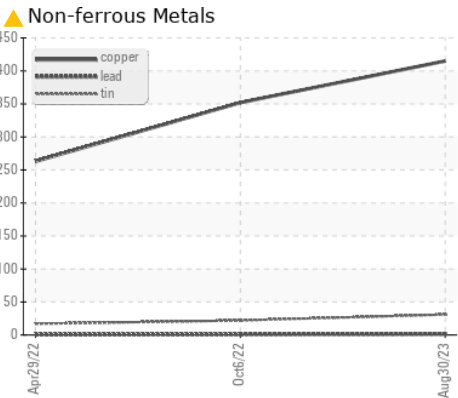
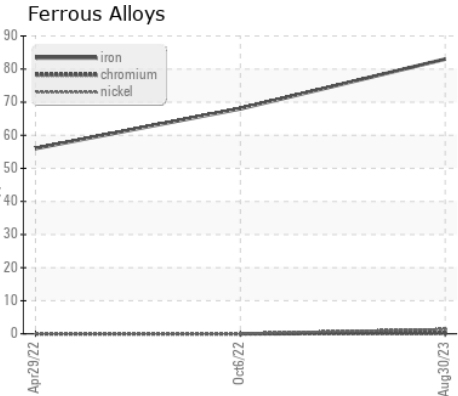


# OIL ANALYSIS REPORT



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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0845020 **Received** : 28 Sep 2023  
**Lab Number** : 05963869 **Diagnosed** : 01 Oct 2023  
**Unique Number** : 10670420 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET ( Additional Tests: Glycol )

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)

**TOWN OF CHAPEL HILL**  
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 US 27516  
 Contact: RONNIE BROWN  
 rbrown@townofchapelhill.org

T:  
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