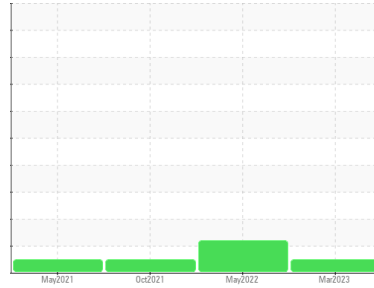




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**PIERCE 0671**  
 Component  
**Transmission (Auto)**  
 Fluid  
**ALLISON TES 295 (--- LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0771941</b>	WC0701521	WC0610943
Sample Date	Client Info			<b>07 Mar 2023</b>	17 May 2022	26 Oct 2021
Machine Age	hrs	Client Info		<b>2742</b>	2136	1659
Oil Age	hrs	Client Info		<b>2742</b>	2136	1659
Oil Changed	Client Info			<b>Not Changed</b>	Not Changd	Not Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	<b>144</b>	127	122
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	0	1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>32</b>	29	25
Lead	ppm	ASTM D5185m	>50	<b>40</b>	40	43
Copper	ppm	ASTM D5185m	>225	<b>33</b>	33	28
Tin	ppm	ASTM D5185m	>10	<b>3</b>	3	2
Antimony	ppm	ASTM D5185m		<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

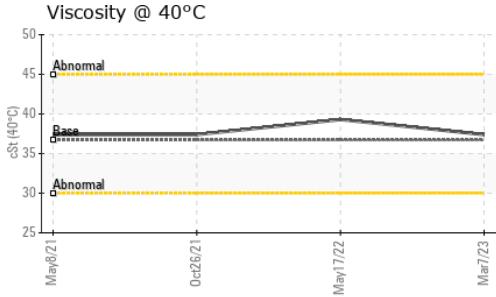
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	133	<b>88</b>	86	92
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	1
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>3</b>	2	2
Magnesium	ppm	ASTM D5185m	0	<b>2</b>	1	1
Calcium	ppm	ASTM D5185m	27	<b>58</b>	45	53
Phosphorus	ppm	ASTM D5185m	293	<b>271</b>	263	270
Zinc	ppm	ASTM D5185m	0	<b>19</b>	11	15
Sulfur	ppm	ASTM D5185m	1050	<b>698</b>	693	713

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	<b>8</b>	8	7
Sodium	ppm	ASTM D5185m		<b>8</b>	7	9
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	6	4

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>VLITE</b>	▲ MODER	VLITE
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>VLITE</b>	NONE	VLITE
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



# OIL ANALYSIS REPORT



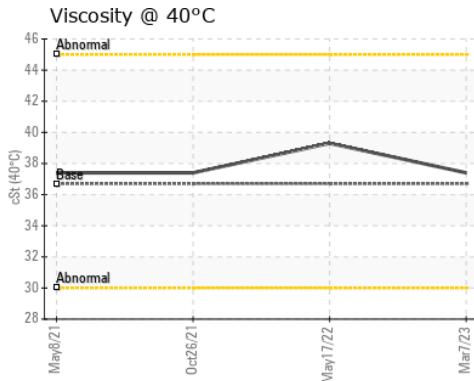
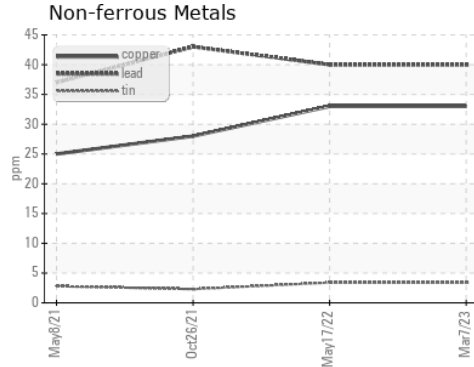
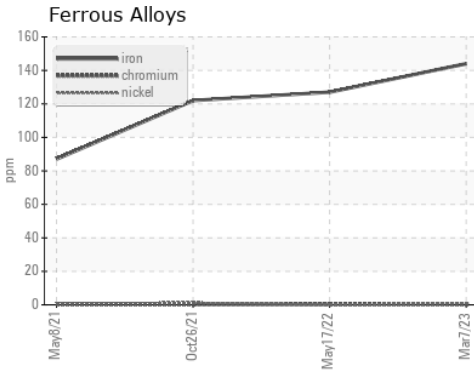
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	36.7	<b>37.4</b>	39.3	37.4

### 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.** : WC0771941  
**Lab Number** : **05790565**  
**Unique Number** : 10375236  
**Test Package** : CONST

**Received** : 13 Mar 2023  
**Diagnosed** : 15 Mar 2023  
**Diagnostician** : Sean Felton

**TOWN OF CARY**  
 420 JAMES JACKSON AVENUE  
 CARY, NC  
 US 27513  
 Contact: BRANDON PASINSKI  
 brandon.pasinski@townofcary.org  
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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)