



# OIL ANALYSIS REPORT

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

Machine Id  
**PIERCE 0487**  
Component  
**Transmission (Auto)**  
Fluid  
**ALLISON TES 295 (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0701519</b>	WC0616998	WC0576776
Sample Date		Client Info		<b>10 May 2022</b>	15 Oct 2021	20 May 2021
Machine Age	hrs	Client Info		<b>1952</b>	1824	1687
Oil Age	hrs	Client Info		<b>1952</b>	1824	1687
Filter Age	hrs	Client Info		<b>265</b>	137	1687
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	<b>115</b>	110	115
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>28</b>	27	24
Lead	ppm	ASTM D5185m	>50	<b>47</b>	47	52
Copper	ppm	ASTM D5185m	>225	<b>30</b>	29	28
Tin	ppm	ASTM D5185m	>10	<b>3</b>	3	3
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	VLITE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

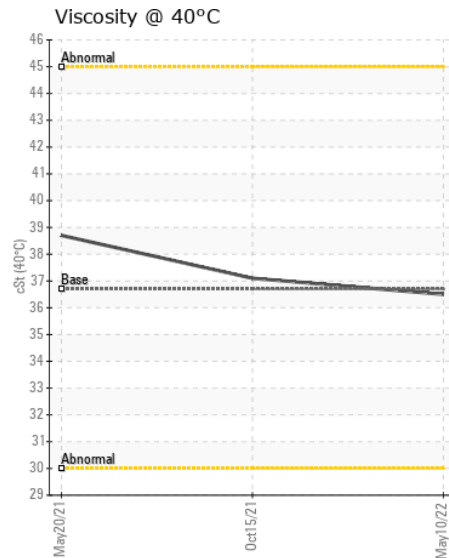
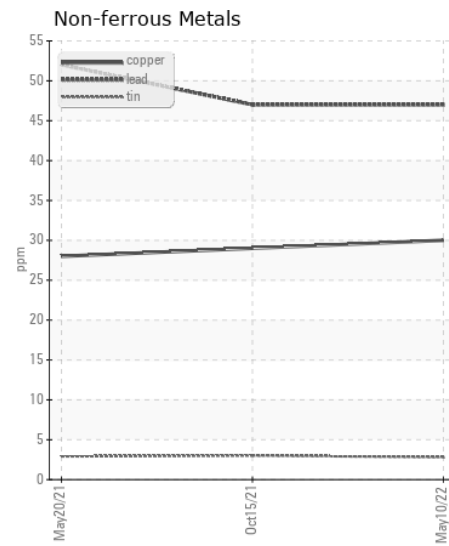
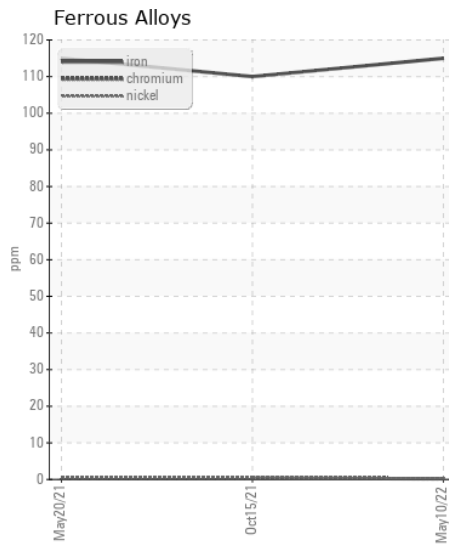
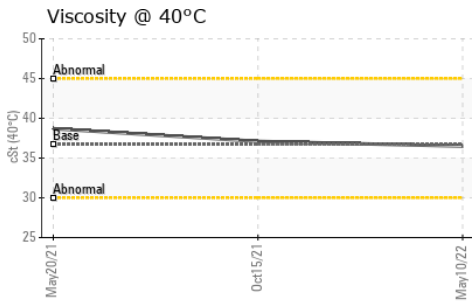
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	<b>9</b>	6	7
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	4	5
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	VLITE	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

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>10</b>	10	9
Boron	ppm	ASTM D5185m	133	<b>102</b>	97	80
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>3</b>	3	3
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Calcium	ppm	ASTM D5185m	27	<b>94</b>	92	72
Phosphorus	ppm	ASTM D5185m	293	<b>328</b>	310	266
Zinc	ppm	ASTM D5185m	0	<b>30</b>	27	18
Sulfur	ppm	ASTM D5185m	1050	<b>927</b>	625	554
Visc @ 40°C	cSt	ASTM D445	36.7	<b>36.5</b>	37.1	38.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : WC0701519

**Lab Number** : 05542636

**Unique Number** : 9971926

**Test Package** : CONST

**Received** : 11 May 2022

**Tested** : 13 May 2022

**Diagnosed** : 13 May 2022 - Don Baldrige

**TOWN OF CARY**  
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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)