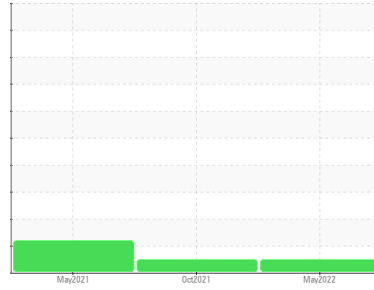




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



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

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 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			WC0701519	WC0616998	WC0576776
Sample Date	Client Info			10 May 2022	15 Oct 2021	20 May 2021
Machine Age	hrs	Client Info		1952	1824	1687
Oil Age	hrs	Client Info		1952	1824	1687
Oil Changed	Client Info			Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>160	115	110	115
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>5	<1	0	0
Aluminum	ppm	ASTM D5185m	>50	28	27	24
Lead	ppm	ASTM D5185m	>50	47	47	52
Copper	ppm	ASTM D5185m	>225	30	29	28
Tin	ppm	ASTM D5185m	>10	3	3	3
Antimony	ppm	ASTM D5185m		---	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

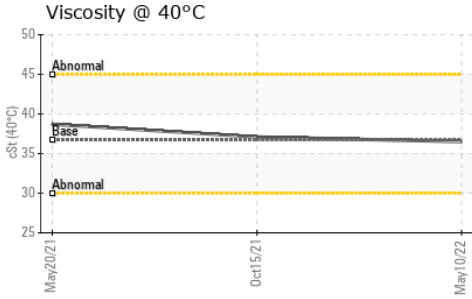
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	133	102	97	80
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m		3	3	3
Magnesium	ppm	ASTM D5185m	0	<1	<1	<1
Calcium	ppm	ASTM D5185m	27	94	92	72
Phosphorus	ppm	ASTM D5185m	293	328	310	266
Zinc	ppm	ASTM D5185m	0	30	27	18
Sulfur	ppm	ASTM D5185m	1050	927	625	554

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	9	6	7
Sodium	ppm	ASTM D5185m		10	10	9
Potassium	ppm	ASTM D5185m	>20	4	4	5

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



OIL ANALYSIS REPORT

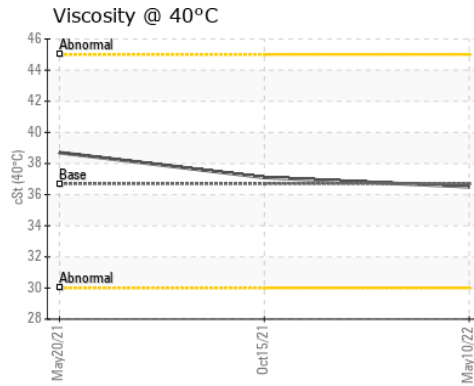
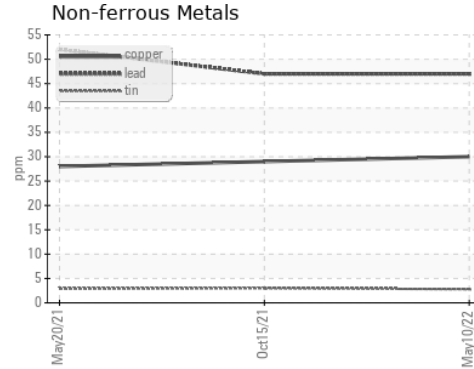
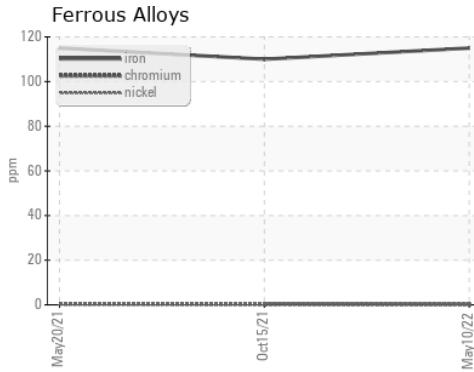


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	36.7	36.5	37.1	38.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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. : WC0701519 **Received** : 11 May 2022
Lab Number : 05542636 **Tested** : 13 May 2022
Unique Number : 9971926 **Diagnosed** : 13 May 2022 - Don Baldrige
Test Package : CONST

TOWN OF CARY
 420 JAMES JACKSON AVENUE
 CARY, NC 27513
 Contact: BRANDON PASINSKI
 brandon.pasinski@carync.gov
 T: (919)469-4098
 F: (919)380-6420

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)