



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
3001/RTW-1
 Component
Transmission (Auto)
 Fluid
CASTROL TRANSYND (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0868215	WC0868236	---
Sample Date		Client Info		11 Jun 2024	16 May 2024	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>160	▲ 227	▲ 232	---
Chromium	ppm	ASTM D5185m	>5	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	<1	1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>5	0	<1	---
Aluminum	ppm	ASTM D5185m	>50	▲ 66	▲ 72	---
Lead	ppm	ASTM D5185m	>50	40	42	---
Copper	ppm	ASTM D5185m	>225	86	93	---
Tin	ppm	ASTM D5185m	>10	6	7	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

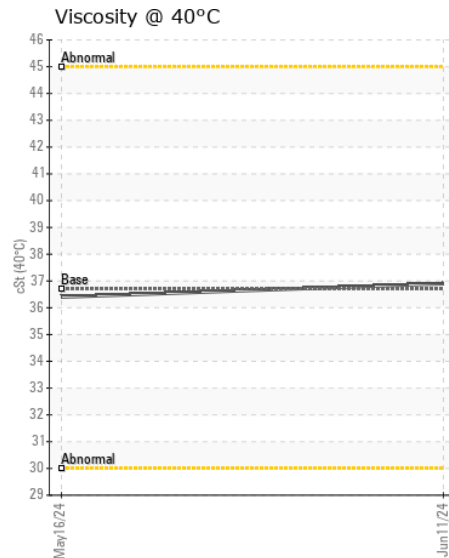
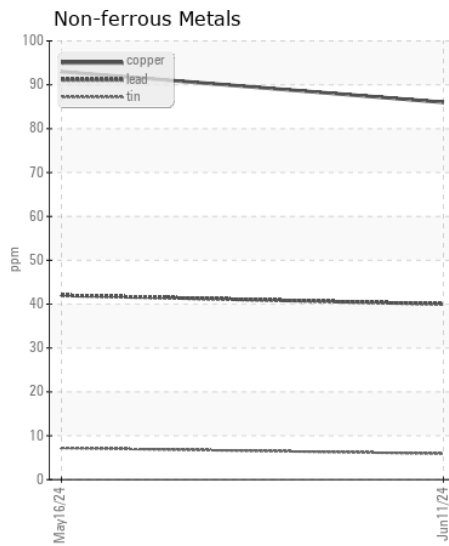
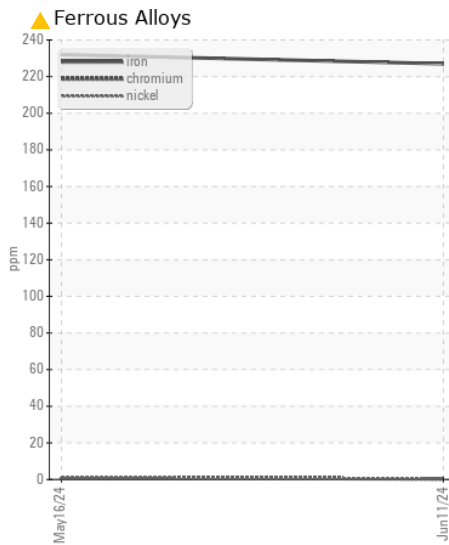
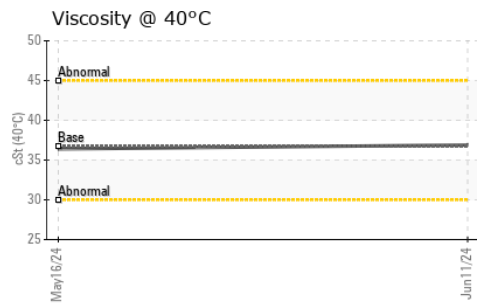
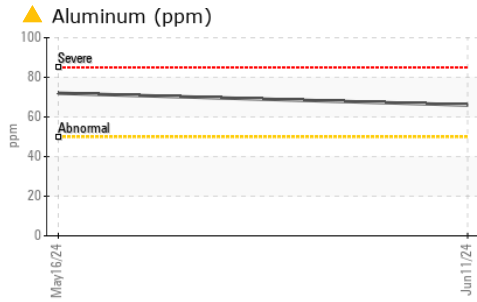
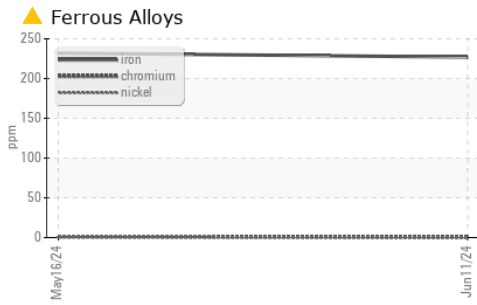
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>20	14	15	---
Potassium	ppm	ASTM D5185m	>20	6	8	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		22	24	---
Boron	ppm	ASTM D5185m	133	54	71	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	1	---
Manganese	ppm	ASTM D5185m		3	4	---
Magnesium	ppm	ASTM D5185m	0	2	2	---
Calcium	ppm	ASTM D5185m	27	103	114	---
Phosphorus	ppm	ASTM D5185m	293	279	260	---
Zinc	ppm	ASTM D5185m	0	61	62	---
Sulfur	ppm	ASTM D5185m	1050	403	555	---
Visc @ 40°C	cSt	ASTM D445	36.7	36.9	36.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868215 **Received** : 18 Jun 2024
Lab Number : 06213927 **Tested** : 20 Jun 2024
Unique Number : 11086791 **Diagnosed** : 20 Jun 2024 - Don Baldrige
Test Package : CONST

CYFAIR FIRE DEPARTMENT
 10710 TELGE RD
 HOUSTON, TX
 US 77095
 Contact: JEFF DAVIDSON
 jeff.davidson@cyfairfd.org
 T: (281)656-3440
 F: (281)807-1853

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)