



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
264/E-6
 Component
Transmission (Auto)
 Fluid
CASTROL TRANSYND (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0868260	WC0699206	WC0699185
Sample Date		Client Info		16 May 2024	07 Dec 2023	26 Jun 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>160	130	119	88
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>5	<1	0	0
Aluminum	ppm	ASTM D5185m	>50	34	30	26
Lead	ppm	ASTM D5185m	>50	55	51	46
Copper	ppm	ASTM D5185m	>225	94	88	61
Tin	ppm	ASTM D5185m	>10	7	5	5
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

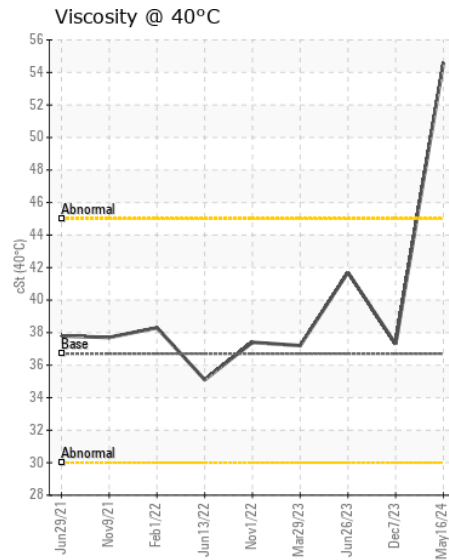
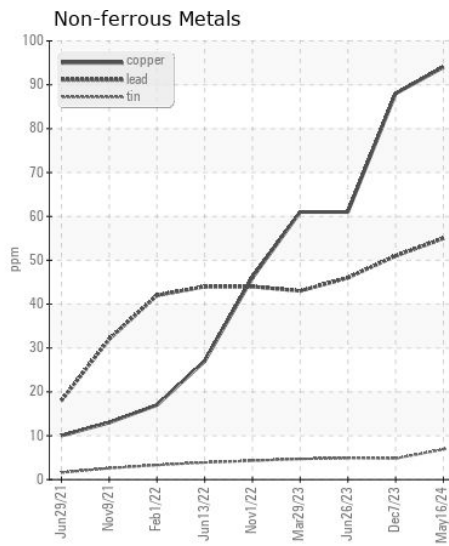
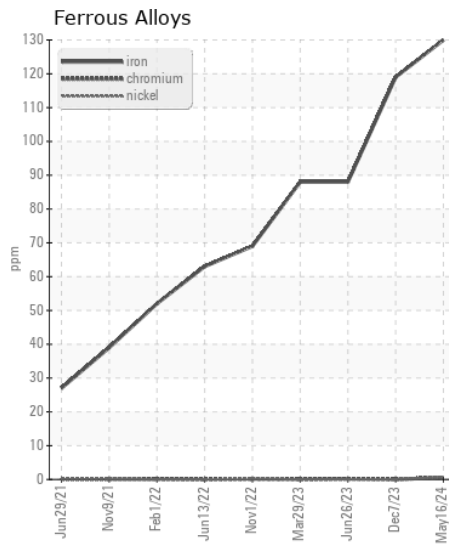
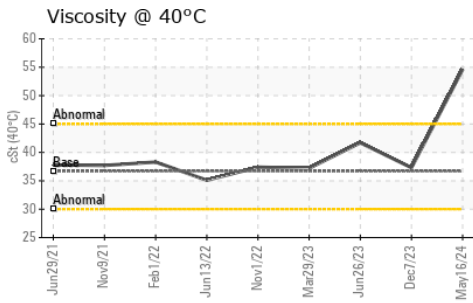
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	10	9	7
Potassium	ppm	ASTM D5185m	>20	8	7	5
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		10	7	9
Boron	ppm	ASTM D5185m	133	79	77	73
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	1	1
Manganese	ppm	ASTM D5185m		4	3	3
Magnesium	ppm	ASTM D5185m	0	9	9	8
Calcium	ppm	ASTM D5185m	27	194	200	209
Phosphorus	ppm	ASTM D5185m	293	263	285	327
Zinc	ppm	ASTM D5185m	0	73	63	68
Sulfur	ppm	ASTM D5185m	1050	560	670	830
Visc @ 40°C	cSt	ASTM D445	36.7	54.6	37.3	41.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0868260
Lab Number : 06189649
Unique Number : 11046401
Test Package : CONST
Received : 23 May 2024
Tested : 24 May 2024
Diagnosed : 28 May 2024 - Sean Felton

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)