



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
241
 Component
Transmission (Auto)
 Fluid
CASTROL TRANSYND (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0888998	WC0889082	WC0889110
Sample Date		Client Info		09 Apr 2024	28 Feb 2024	08 Jan 2024
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		48060	9134	29760
Filter Age	kms	Client Info		48060	9134	29760
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>230	113	97	86
Chromium	ppm	ASTM D5185(m)	>2	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>65	22	18	15
Lead	ppm	ASTM D5185(m)	>55	4	3	3
Copper	ppm	ASTM D5185(m)	>85	16	14	13
Tin	ppm	ASTM D5185(m)	>5	<1	1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

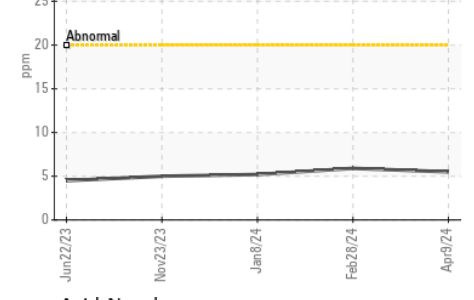
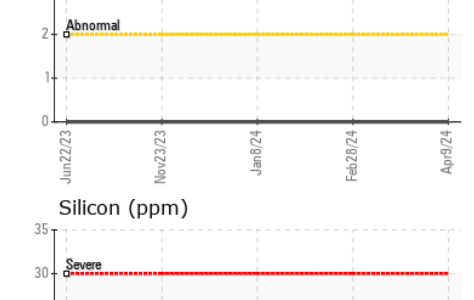
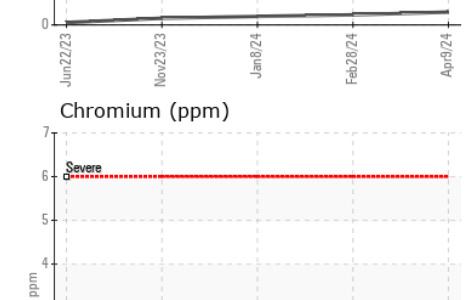
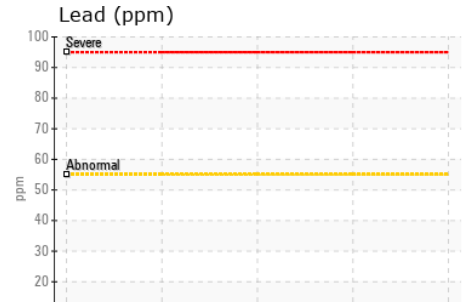
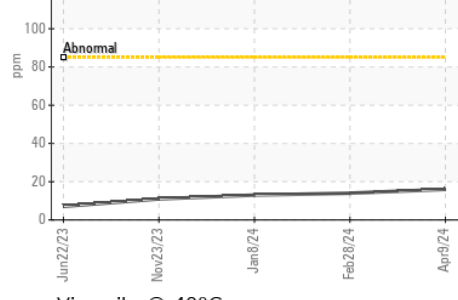
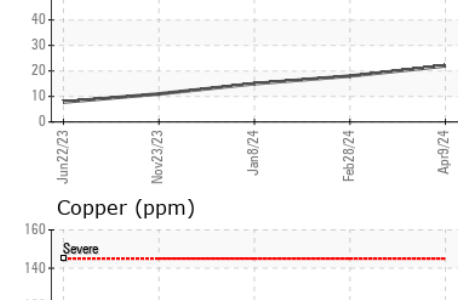
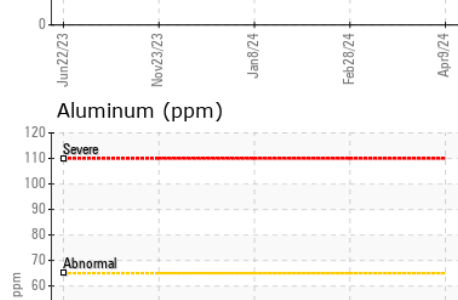
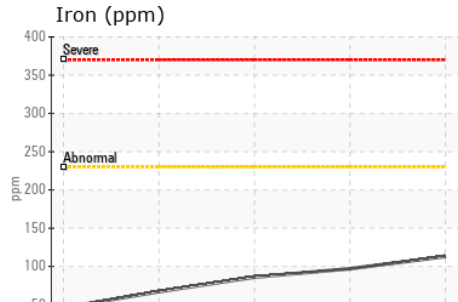
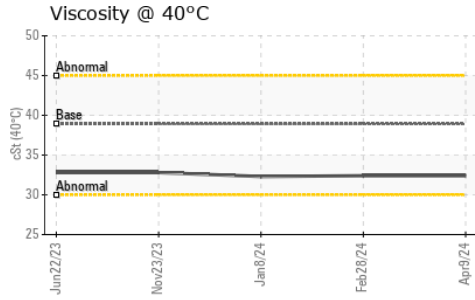
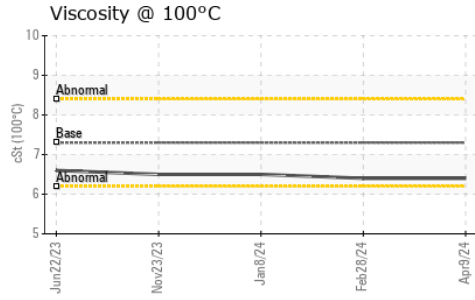
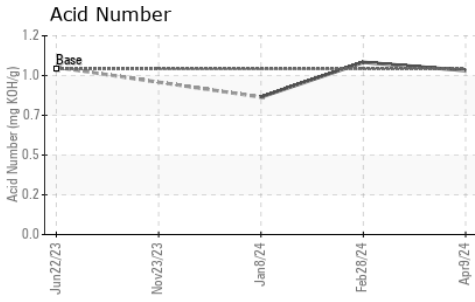
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	6	6	5
Potassium	ppm	ASTM D5185(m)	>20	2	3	2
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	VLITE	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 AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sodium	ppm	ASTM D5185(m)		4	4	4
Boron	ppm	ASTM D5185(m)	150	45	45	44
Barium	ppm	ASTM D5185(m)	0	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		2	1	1
Magnesium	ppm	ASTM D5185(m)	0	1	<1	1
Calcium	ppm	ASTM D5185(m)	40	117	116	116
Phosphorus	ppm	ASTM D5185(m)	320	201	205	203
Zinc	ppm	ASTM D5185(m)	5	7	6	6
Sulfur	ppm	ASTM D5185(m)	1050	1437	1548	1552
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	0.99	1.04	0.83
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	32.4	32.4	32.3
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.4	6.4	6.5
Viscosity Index (VI)	Scale	ASTM D2270*	168	153	153	160



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0888998 **Received** : 15 Apr 2024
Lab Number : 02628930 **Tested** : 16 Apr 2024
Unique Number : 5762062 **Diagnosed** : 16 Apr 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV100, TAN Man, VI)

CITY OF THUNDER BAY
 AUTO MAINTENANCE STORES, 570 FORT WILLIAM ROAD
 THUNDER BAY, ON
 CA P7B 2Z8
 Contact: Sean Malcolm
 sean.malcolm@thunderbay.ca
 T: (807)684-2716
 F: (807)344-0237

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.