



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
148
Component
Rear 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		WC0889034	WC0889195	WC0866435
Sample Date		Client Info		22 Mar 2024	18 Jan 2024	20 Nov 2023
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		18943	9385	45495
Filter Age	kms	Client Info		18943	9385	45495
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*	>105	0	---	---
Iron	ppm	ASTM D5185(m)	>230	65	58	102
Chromium	ppm	ASTM D5185(m)	>2	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>65	26	23	42
Lead	ppm	ASTM D5185(m)	>55	0	1	2
Copper	ppm	ASTM D5185(m)	>85	8	7	12
Tin	ppm	ASTM D5185(m)	>5	0	<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

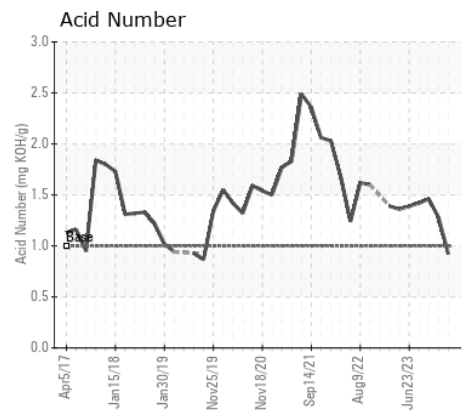
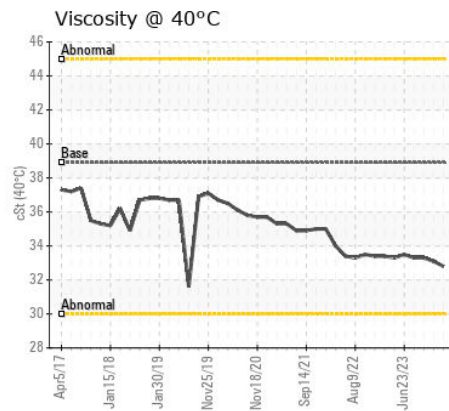
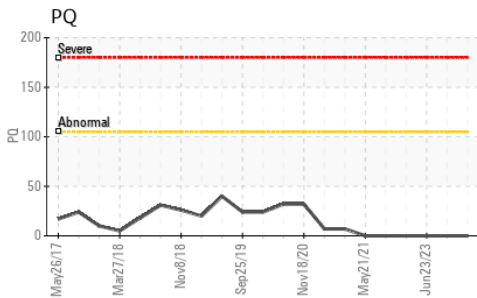
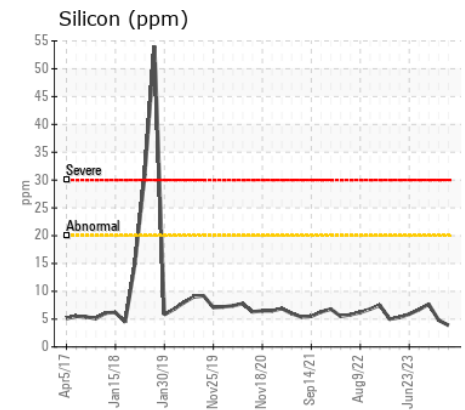
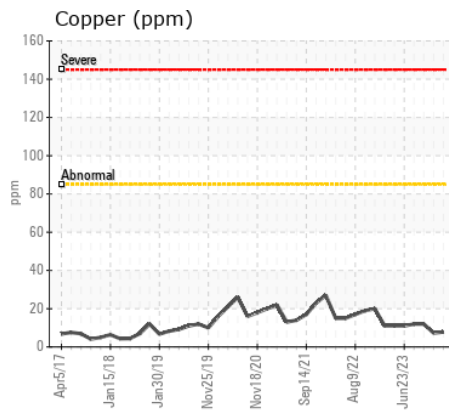
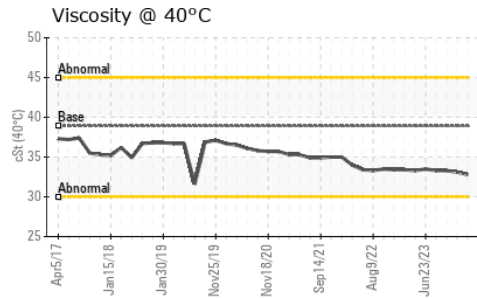
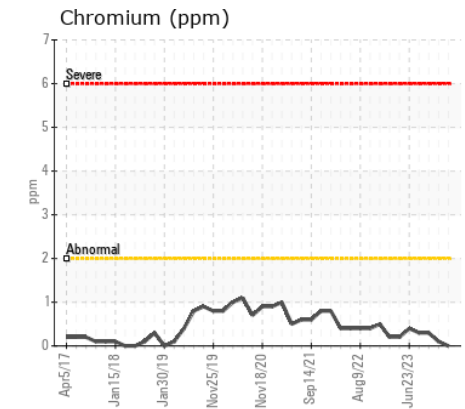
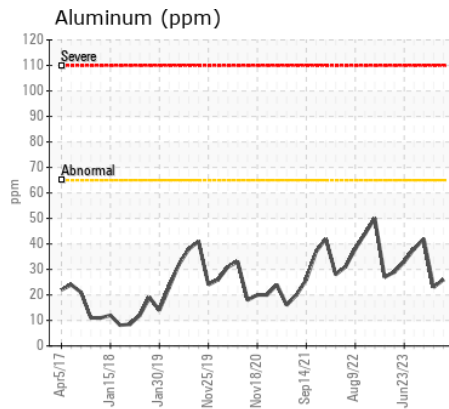
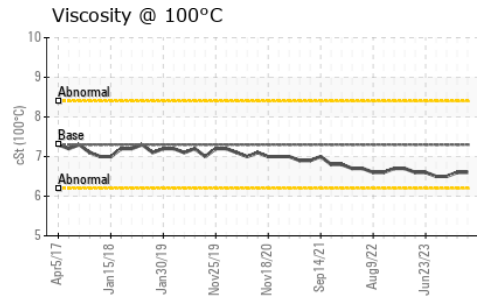
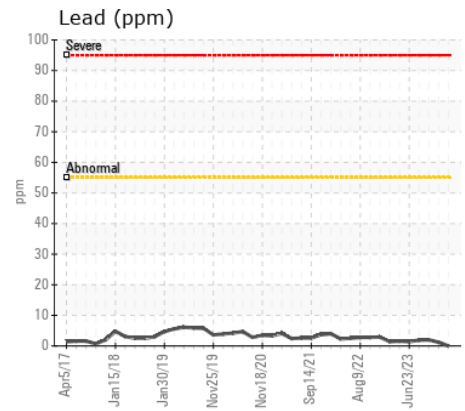
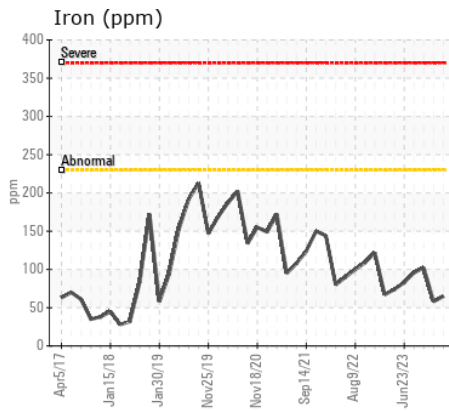
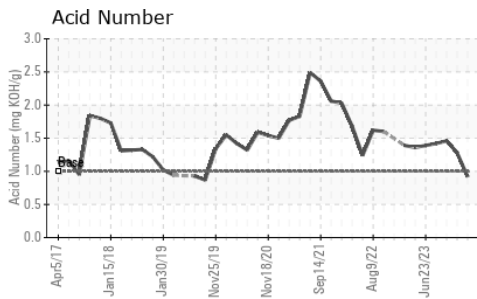
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	4	5	8
Potassium	ppm	ASTM D5185(m)	>20	1	1	<1
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 AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sodium	ppm	ASTM D5185(m)		3	3	5
Boron	ppm	ASTM D5185(m)	150	79	80	86
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	3	3	0
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)	0	1	1	<1
Calcium	ppm	ASTM D5185(m)	40	135	141	124
Phosphorus	ppm	ASTM D5185(m)	320	245	253	281
Zinc	ppm	ASTM D5185(m)	5	5	5	6
Sulfur	ppm	ASTM D5185(m)	1050	1502	1684	1578
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	0.92	1.28	1.46
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	32.8	33.1	33.3
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.6	6.6	6.5
Viscosity Index (VI)	Scale	ASTM D2270*	168	161	159	152



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0889034 **Received** : 27 Mar 2024
Lab Number : 02625002 **Tested** : 28 Mar 2024
Unique Number : 5750121 **Diagnosed** : 28 Mar 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV100, PQ, VI)

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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.