



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

167

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		WC0889093	WC0866497	WC0816359
Sample Date		Client Info		15 Jan 2024	29 Nov 2023	11 Oct 2023
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		18994	9731	48214
Filter Age	kms	Client Info		18994	9731	48214
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185(m)	>230	135	105	161
Chromium	ppm	ASTM D5185(m)	>2	<1	0	<1
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	<1	<1
Aluminum	ppm	ASTM D5185(m)	>65	10	8	12
Lead	ppm	ASTM D5185(m)	>55	4	4	8
Copper	ppm	ASTM D5185(m)	>85	13	11	18
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

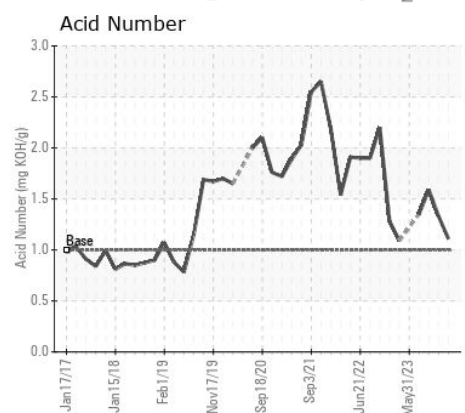
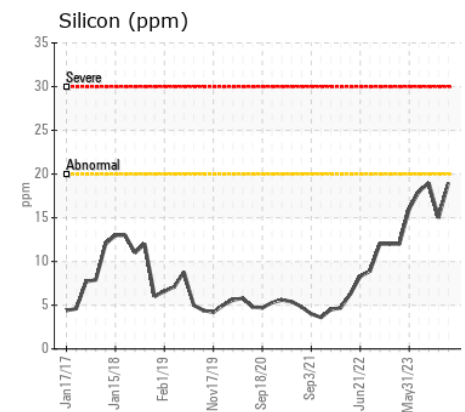
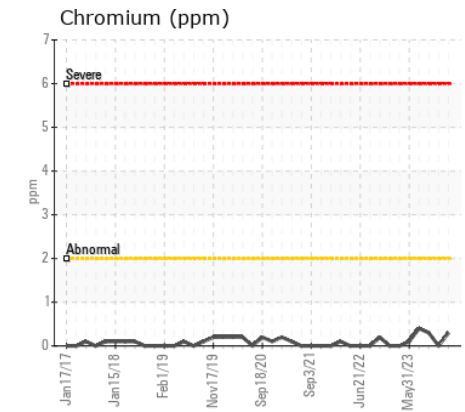
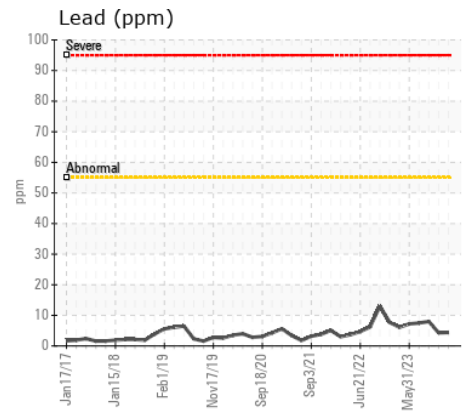
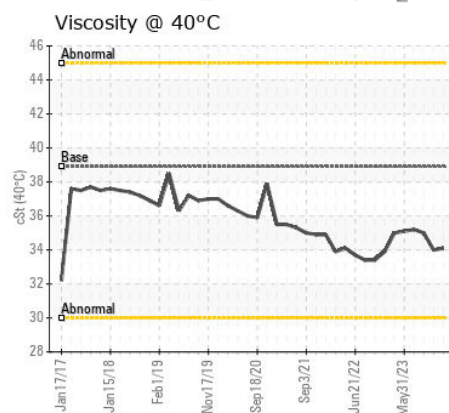
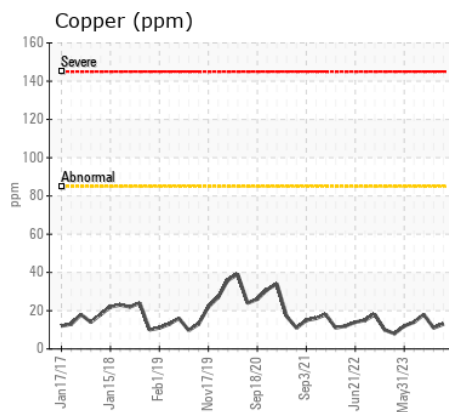
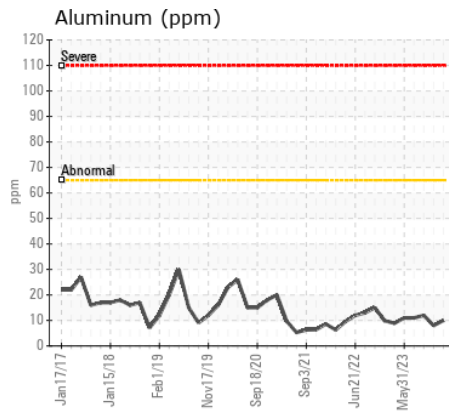
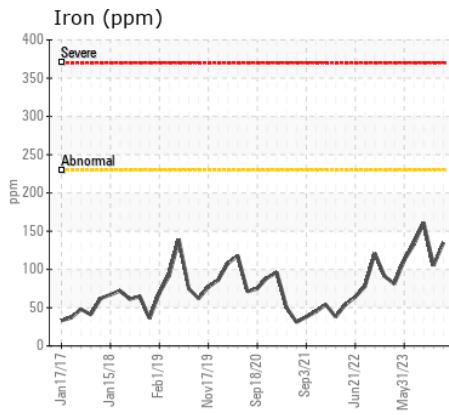
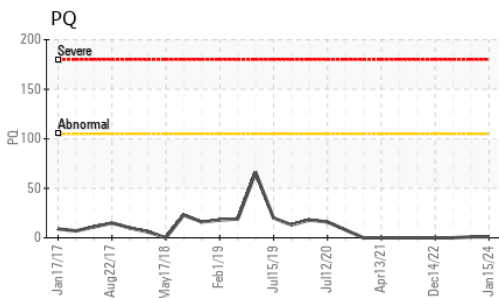
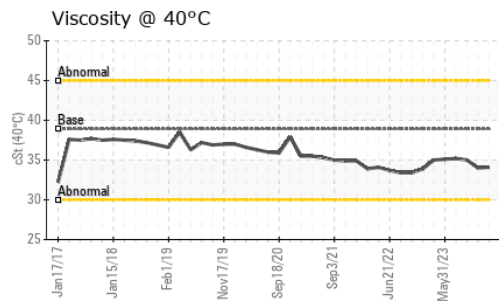
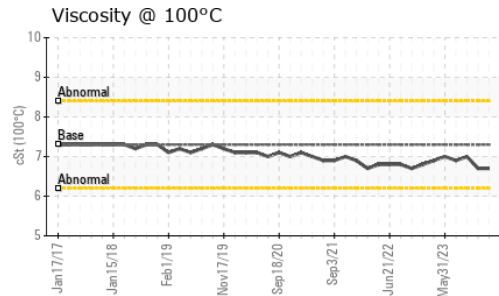
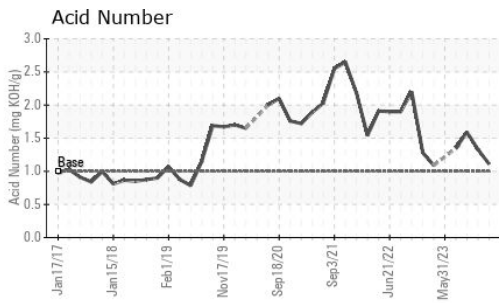
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	19	15	19
Potassium	ppm	ASTM D5185(m)	>20	2	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)		7	6	12
Boron	ppm	ASTM D5185(m)	150	83	89	96
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	0	1	<1	1
Calcium	ppm	ASTM D5185(m)	40	112	119	94
Phosphorus	ppm	ASTM D5185(m)	320	250	248	282
Zinc	ppm	ASTM D5185(m)	5	4	6	7
Sulfur	ppm	ASTM D5185(m)	1050	1418	1335	1207
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	1.11	1.33	1.59
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	34.1	34.0	35.0
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.7	6.7	7
Viscosity Index (VI)	Scale	ASTM D2270*	168	157	158	166



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0889093
Lab Number : 02610002
Unique Number : 5711088
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.