



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id

166

Component

Rear Transmission (Auto)

Fluid

CASTROL TRANSYND (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

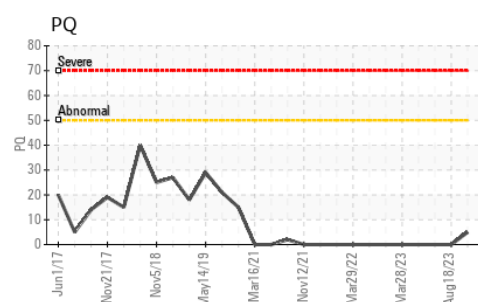
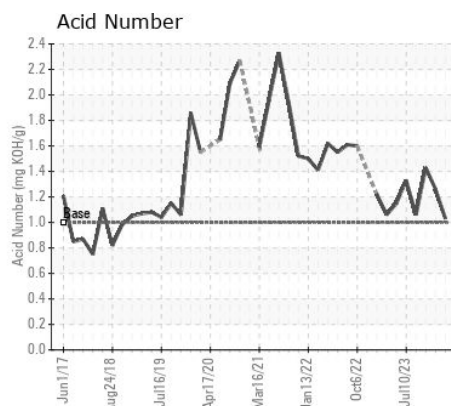
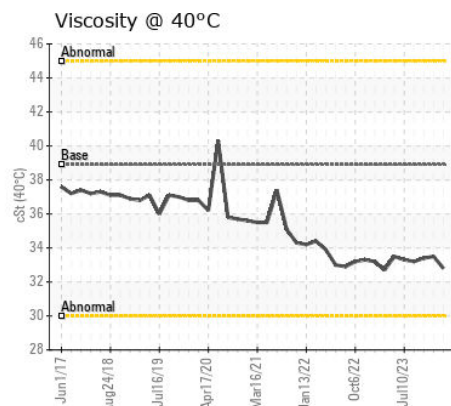
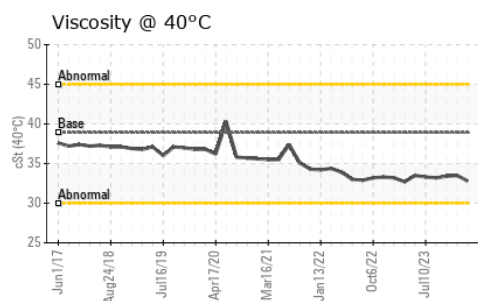
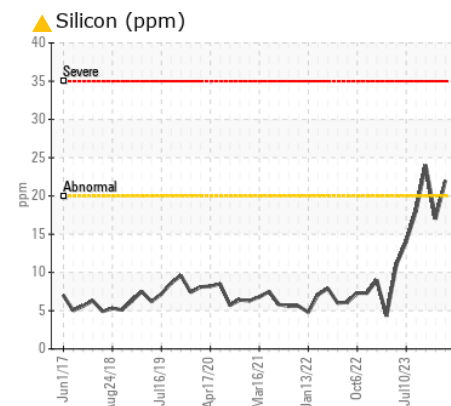
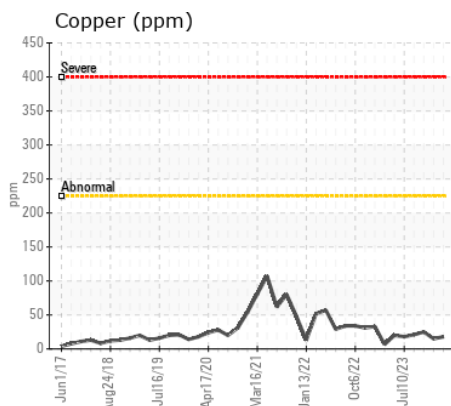
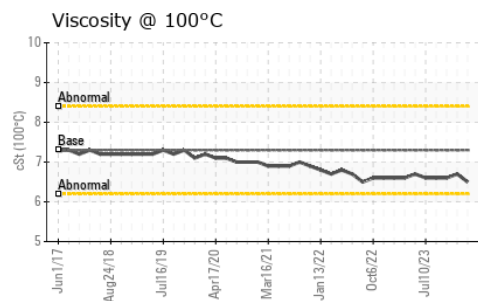
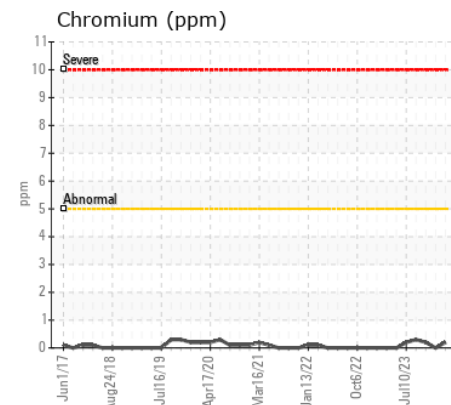
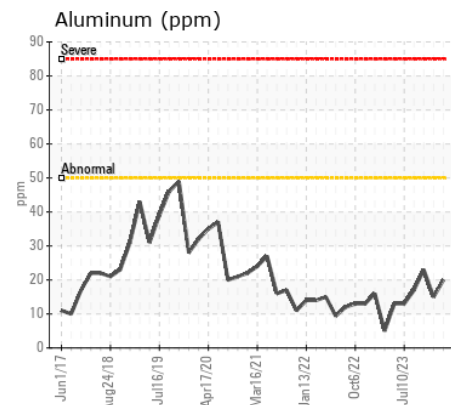
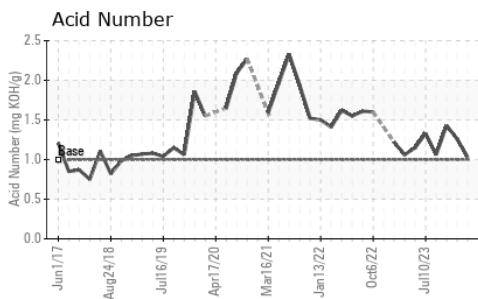
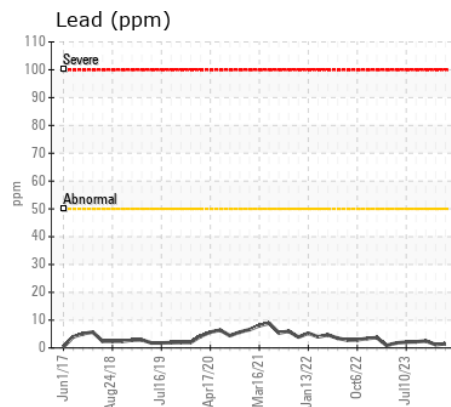
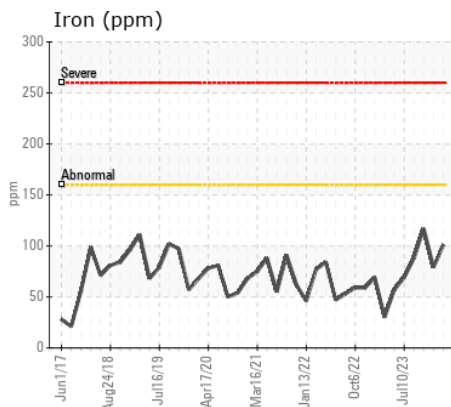
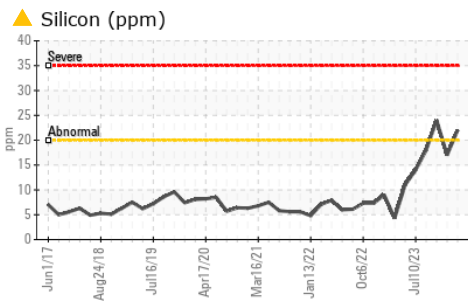
The AN level is acceptable for this fluid. The fluid is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0889118	WC0866599	WC0866451
Sample Date		Client Info		22 Feb 2024	11 Dec 2023	18 Oct 2023
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		18245	9085	47344
Filter Age	kms	Client Info		18245	9085	47344
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	ABNORMAL

PQ		ASTM D8184*	>50	5	---	---
Iron	ppm	ASTM D5185(m)	>160	101	79	117
Chromium	ppm	ASTM D5185(m)	>5	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>50	20	15	23
Lead	ppm	ASTM D5185(m)	>50	2	1	2
Copper	ppm	ASTM D5185(m)	>225	18	15	25
Tin	ppm	ASTM D5185(m)	>10	<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

Silicon	ppm	ASTM D5185(m)	>20	▲ 22	17	▲ 24
Potassium	ppm	ASTM D5185(m)	>20	1	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	VLITE
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

Sodium	ppm	ASTM D5185(m)		4	4	5
Boron	ppm	ASTM D5185(m)	150	64	69	76
Barium	ppm	ASTM D5185(m)	0	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)	0	1	<1	1
Calcium	ppm	ASTM D5185(m)	40	127	124	122
Phosphorus	ppm	ASTM D5185(m)	320	226	222	241
Zinc	ppm	ASTM D5185(m)	5	3	3	4
Sulfur	ppm	ASTM D5185(m)	1050	1569	1506	1541
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	1.03	1.26	1.43
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	32.8	33.5	33.4
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.5	6.7	6.6
Viscosity Index (VI)	Scale	ASTM D2270*	168	156	161	157



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0889118 **Received** : 04 Mar 2024
Lab Number : 02619597 **Tested** : 04 Mar 2024
Unique Number : 5736707 **Diagnosed** : 05 Mar 2024 - Kevin Marson
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.