



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
166
 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		WC0888976	WC0889118	WC0866599
Sample Date		Client Info		10 May 2024	22 Feb 2024	11 Dec 2023
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		8633	18245	9085
Filter Age	kms	Client Info		8633	18245	9085
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184*	>50	1	5	---
Iron	ppm	ASTM D5185(m)	>160	73	101	79
Chromium	ppm	ASTM D5185(m)	>5	0	<1	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>50	15	20	15
Lead	ppm	ASTM D5185(m)	>50	0	2	1
Copper	ppm	ASTM D5185(m)	>225	12	18	15
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

CONTAMINATION

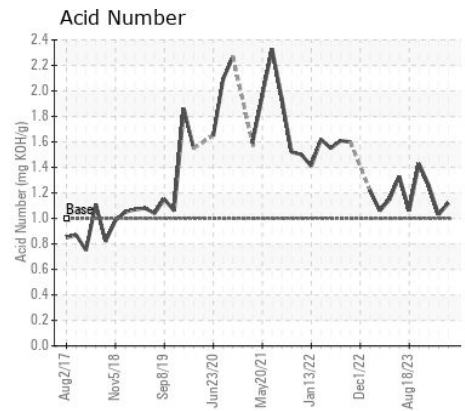
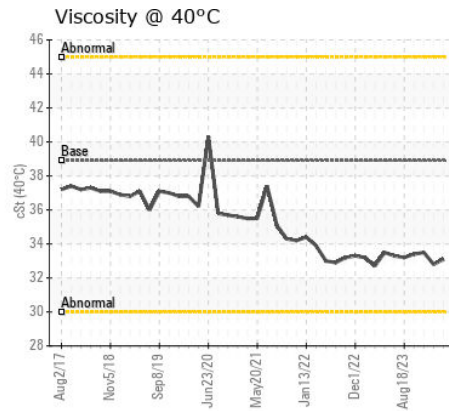
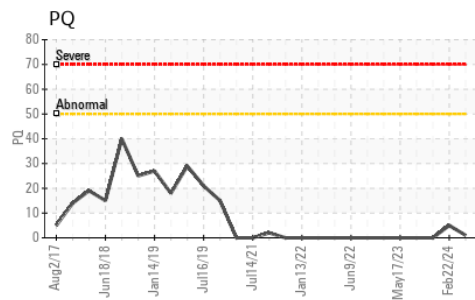
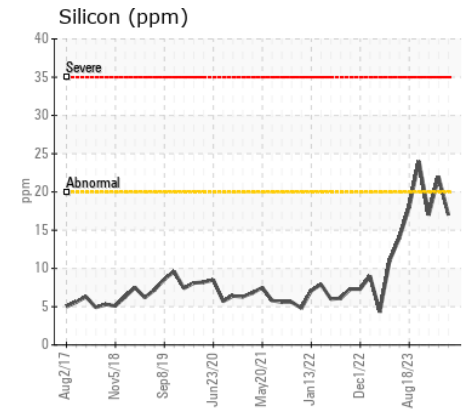
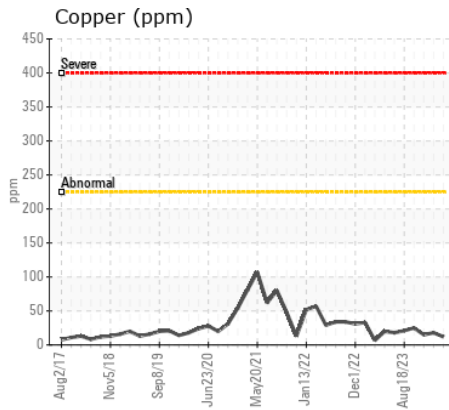
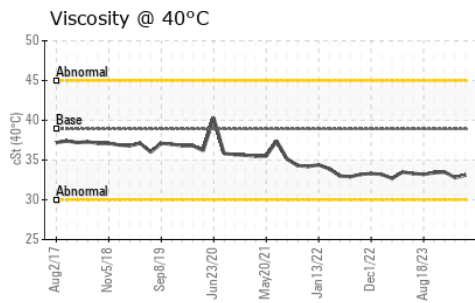
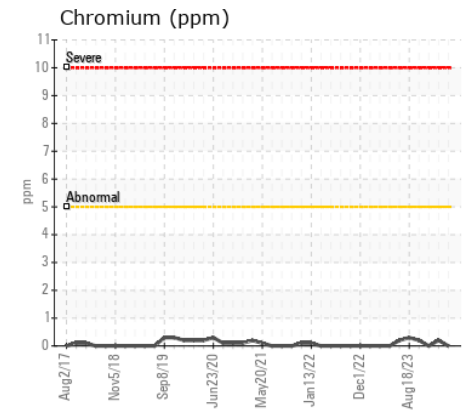
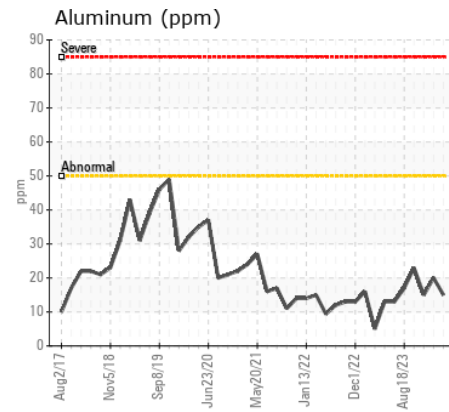
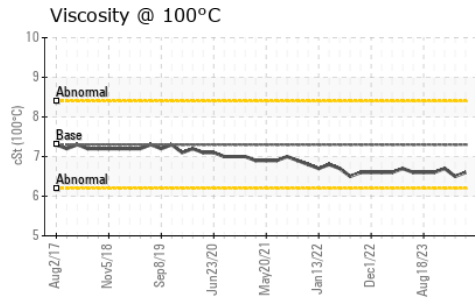
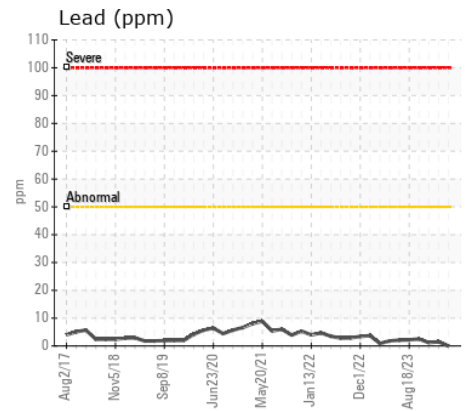
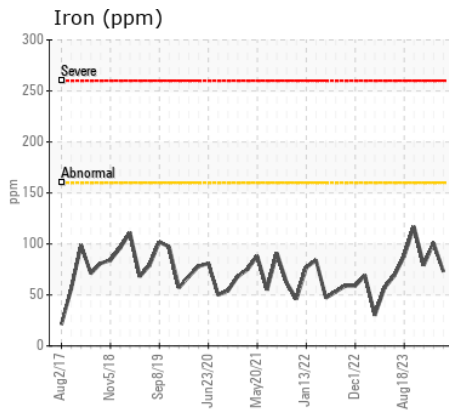
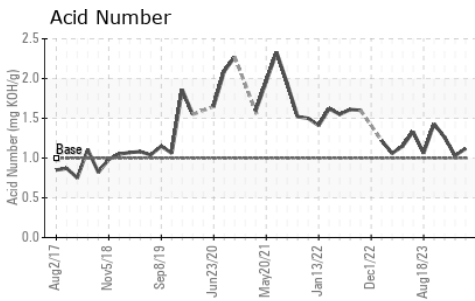
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	17	▲ 22	17
Potassium	ppm	ASTM D5185(m)	>20	<1	1	0
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	4	4
Boron	ppm	ASTM D5185(m)	150	71	64	69
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	6	0	0
Manganese	ppm	ASTM D5185(m)		<1	<1	0
Magnesium	ppm	ASTM D5185(m)	0	1	1	<1
Calcium	ppm	ASTM D5185(m)	40	144	127	124
Phosphorus	ppm	ASTM D5185(m)	320	224	226	222
Zinc	ppm	ASTM D5185(m)	5	5	3	3
Sulfur	ppm	ASTM D5185(m)	1050	1507	1569	1506
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	1.12	1.03	1.26
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	33.1	32.8	33.5
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.6	6.5	6.7
Viscosity Index (VI)	Scale	ASTM D2270*	168	159	156	161



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0888976 **Received** : 13 May 2024
Lab Number : 02634993 **Tested** : 14 May 2024
Unique Number : 5776146 **Diagnosed** : 14 May 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV100, PQ, TAN Man, 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.