



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
180
 Component
Rear Transmission (Auto)
 Fluid
CASTROL TRANSYND (24 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0888982	WC0889188	WC0866503
Sample Date		Client Info		12 Apr 2024	22 Jan 2024	30 Nov 2023
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		10957	48023	39085
Filter Age	kms	Client Info		10957	48023	39085
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	MARGINAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*	>105	0	---	---
Iron	ppm	ASTM D5185(m)	>230	30	51	49
Chromium	ppm	ASTM D5185(m)	>2	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>65	8	15	14
Lead	ppm	ASTM D5185(m)	>55	0	<1	1
Copper	ppm	ASTM D5185(m)	>85	7	8	9
Tin	ppm	ASTM D5185(m)	>5	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

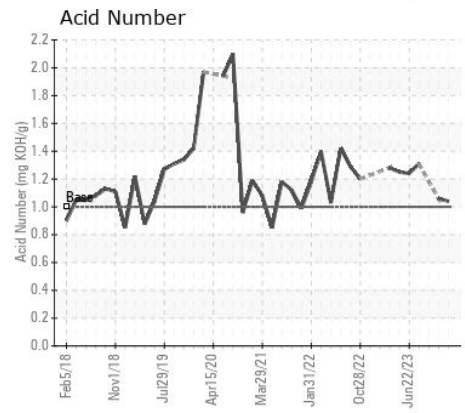
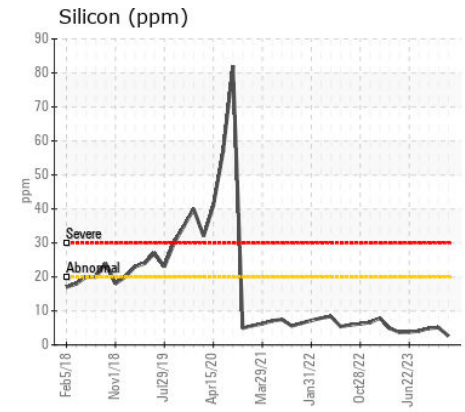
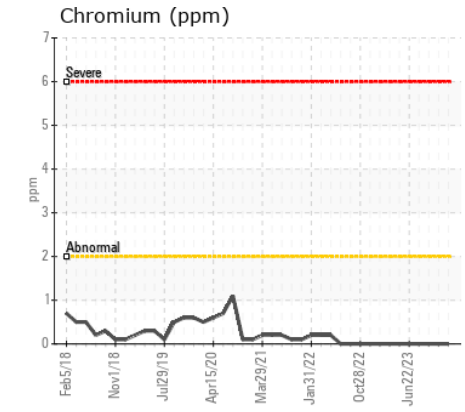
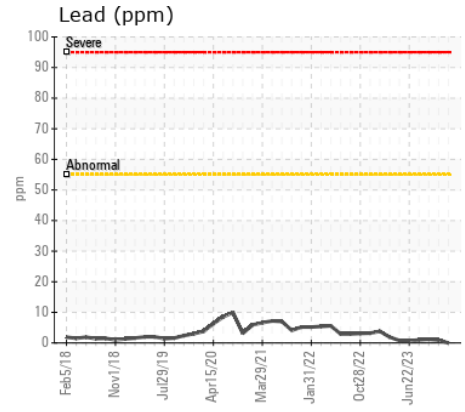
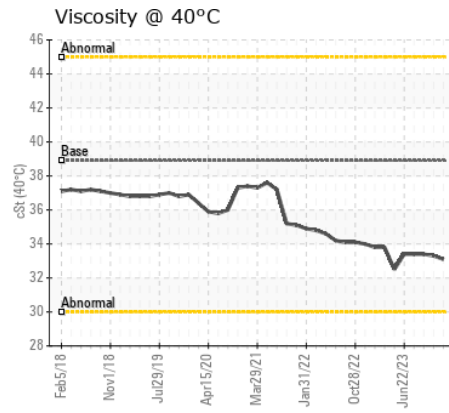
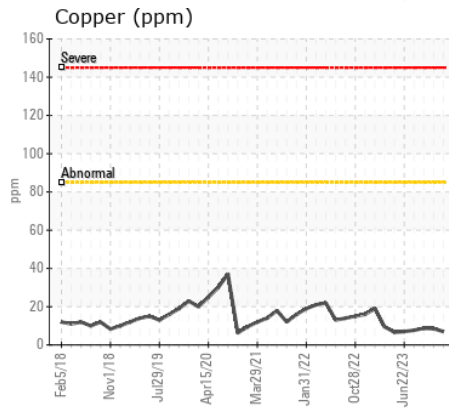
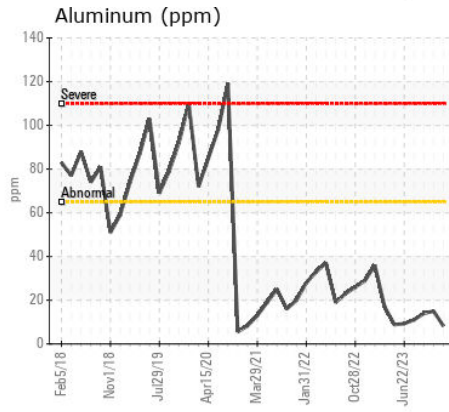
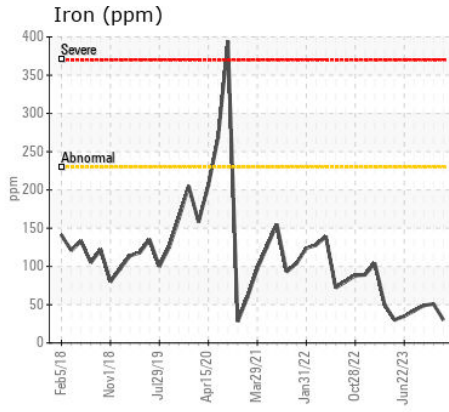
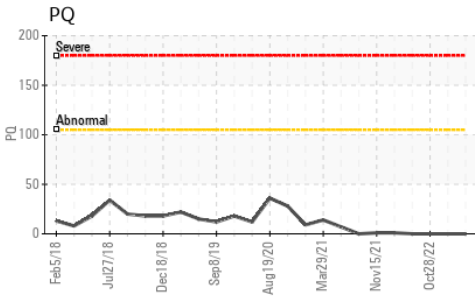
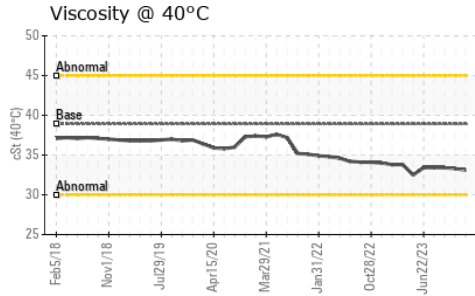
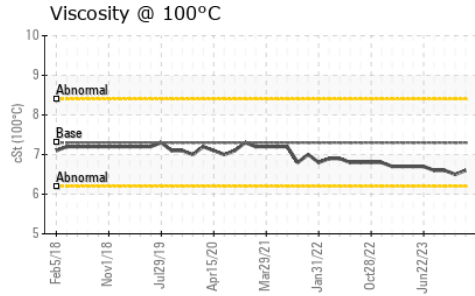
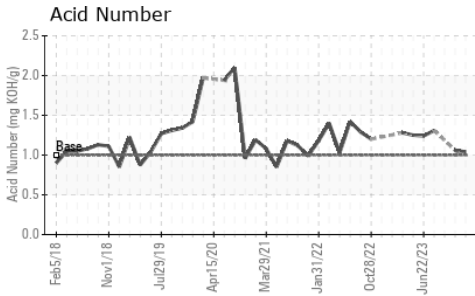
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	3	5	5
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)		2	3	3
Boron	ppm	ASTM D5185(m)	150	66	63	66
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	6	<1	0
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)	0	<1	1	<1
Calcium	ppm	ASTM D5185(m)	40	139	123	118
Phosphorus	ppm	ASTM D5185(m)	320	222	232	232
Zinc	ppm	ASTM D5185(m)	5	7	6	6
Sulfur	ppm	ASTM D5185(m)	1050	1398	1505	1405
Acid Number (AN)	mg KOH/g	ASTM D974*	1.0	1.04	1.06	---
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	33.1	33.3	33.4
Visc @ 100°C	cSt	ASTM D7279(m)	7.3	6.6	6.5	6.6
Viscosity Index (VI)	Scale	ASTM D2270*	168	159	152	157



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0888982
Lab Number : 02630649
Unique Number : 5763781
Test Package : MOB 2 (Additional Tests: KV100, PQ, VI)

Received : 22 Apr 2024
Tested : 23 Apr 2024
Diagnosed : 23 Apr 2024 - Wes Davis

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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.