



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
MACLEAN SL3 SL07
 Component
Transmission (Manual)
 Fluid
TDTO FLUID SAE 30 (--- GAL)

RECOMMENDATION

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0937746	WC0835141	WC0777371
Sample Date		Client Info		28 May 2024	02 Sep 2023	06 Jun 2023
Machine Age	hrs	Client Info		2465	1540	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE

WEAR

Lead ppm levels are abnormal. Clutch disc wear indicated.

Iron	ppm	ASTM D5185(m)	>200	6	21	18
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>7	0	1	0
Aluminum	ppm	ASTM D5185(m)	>25	2	6	4
Lead	ppm	ASTM D5185(m)	>45	▲ 93	▲ 487	▲ 468
Copper	ppm	ASTM D5185(m)	>225	22	129	124
Tin	ppm	ASTM D5185(m)	>10	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

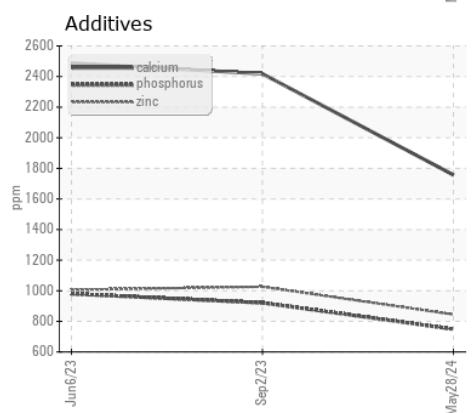
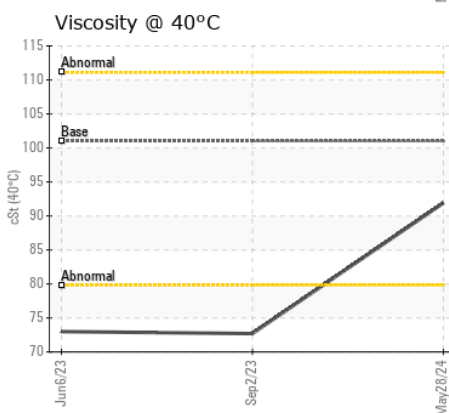
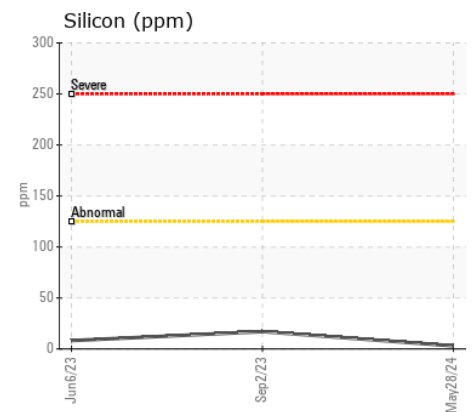
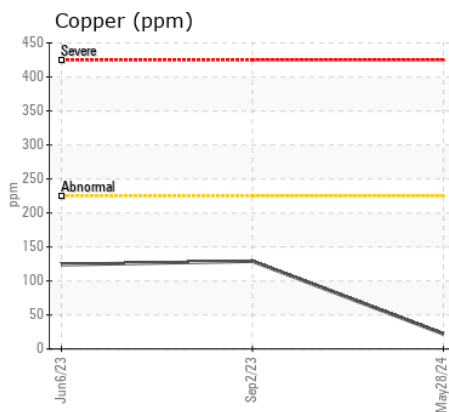
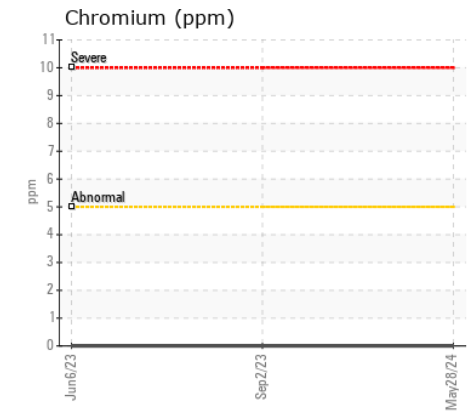
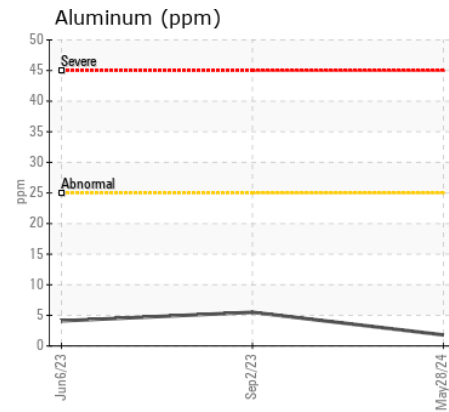
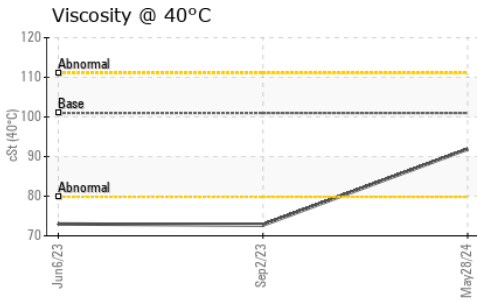
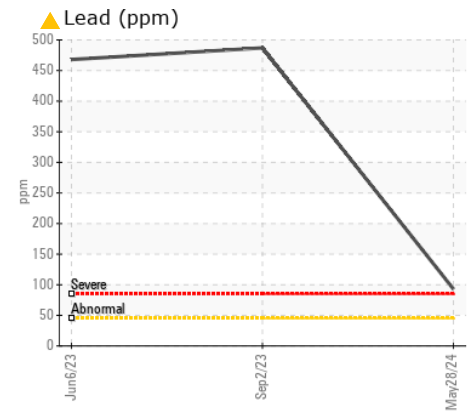
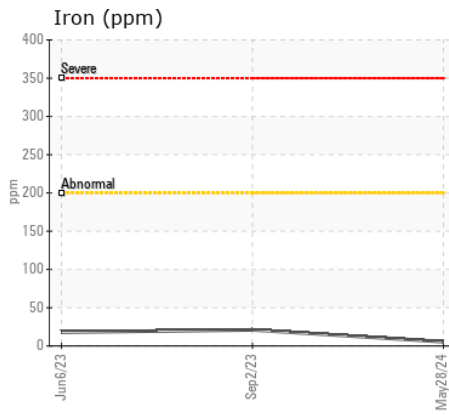
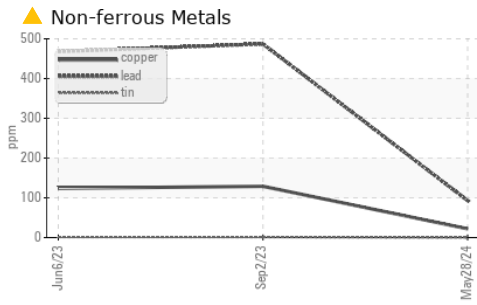
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	3	17	8
Potassium	ppm	ASTM D5185(m)	>20	<1	3	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	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 fluid is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		4	8	7
Boron	ppm	ASTM D5185(m)	37	56	6	6
Barium	ppm	ASTM D5185(m)	7	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	5	32	4	4
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	40	416	72	71
Calcium	ppm	ASTM D5185(m)	2650	1757	2418	2488
Phosphorus	ppm	ASTM D5185(m)	1050	749	921	980
Zinc	ppm	ASTM D5185(m)	1075	845	1026	1006
Sulfur	ppm	ASTM D5185(m)	5750	2183	3069	3101
Visc @ 40°C	cSt	ASTM D7279(m)	101	91.9	72.7	73.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0937746 **Received** : 06 Jun 2024
Lab Number : 02640298 **Tested** : 06 Jun 2024
Unique Number : 5789460 **Diagnosed** : 07 Jun 2024 - Kevin Marson
Test Package : MOB 1

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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.