



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[8-401221]

Machine Id

16-8807

Component

Front Axle

Fluid

TRANSAXLE OIL SAE 75W80 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TRANSAXLE OIL SAE 75W80. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP450278	VCP380453	VCP249739
Sample Date		Client Info		17 Apr 2024	02 Aug 2023	02 Mar 2020
Machine Age	hrs	Client Info		8973	8007	4005
Oil Age	hrs	Client Info		0	4000	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		N/A	Not Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	47	194	213
Chromium	ppm	ASTM D5185(m)	>20	<1	3	4
Nickel	ppm	ASTM D5185(m)	>10	<1	1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	2	4	<1
Lead	ppm	ASTM D5185(m)	>50	<1	5	2
Copper	ppm	ASTM D5185(m)	>120	18	102	23
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	<1
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

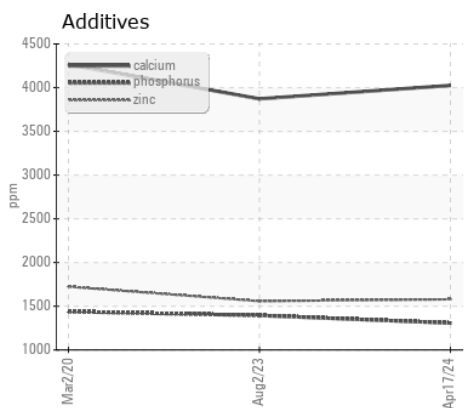
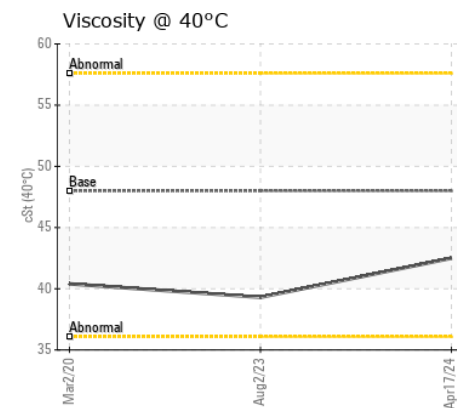
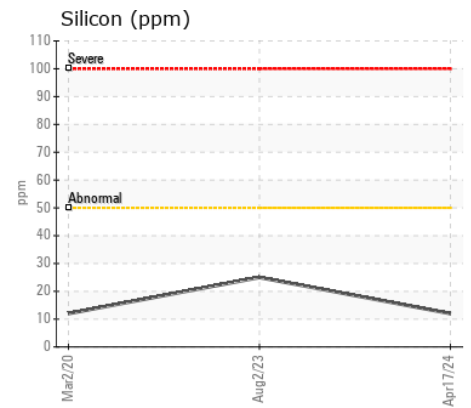
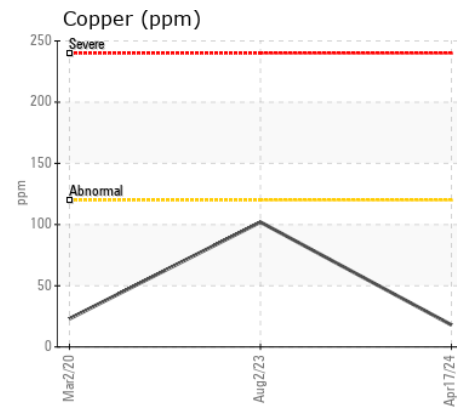
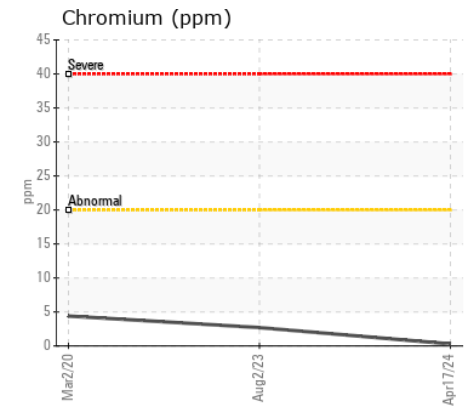
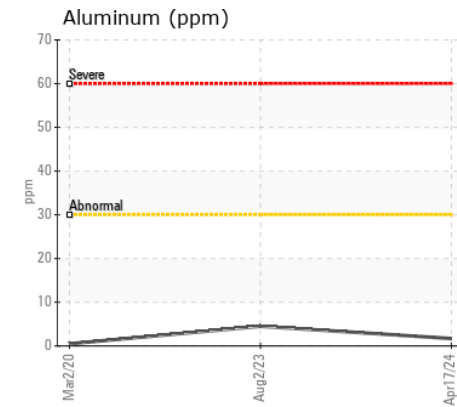
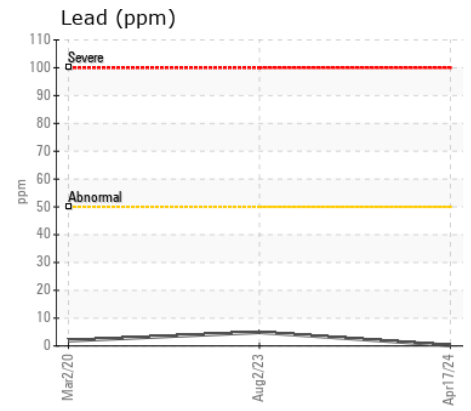
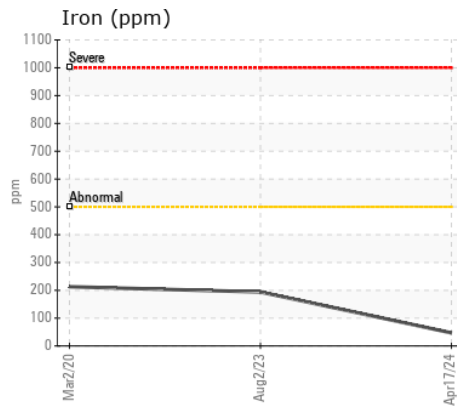
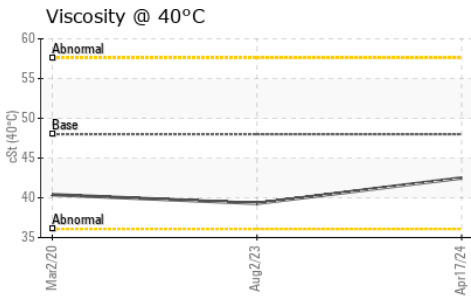
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	12	25	12
Potassium	ppm	ASTM D5185(m)	>20	<1	2	<1
Water		WC Method	>0.2	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*	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		1	6	<1
Boron	ppm	ASTM D5185(m)	160	114	114	126
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	25	0	<1	1
Manganese	ppm	ASTM D5185(m)		<1	3	5
Magnesium	ppm	ASTM D5185(m)	12	16	17	12
Calcium	ppm	ASTM D5185(m)	3750	4025	3872	4265
Phosphorus	ppm	ASTM D5185(m)	1200	1308	1395	1439
Zinc	ppm	ASTM D5185(m)	1500	1579	1558	1724
Sulfur	ppm	ASTM D5185(m)	6000	3199	3621	3432
Visc @ 40°C	cSt	ASTM D7279(m)	48	42.5	39.3	40.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP450278 **Received** : 26 Apr 2024
Lab Number : 02631715 **Tested** : 26 Apr 2024
Unique Number : 5772868 **Diagnosed** : 26 Apr 2024 - Wes Davis
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.

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F: