



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
16-8902
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		VCP393902	VCP353457	VCP280650
Sample Date		Client Info		18 Dec 2023	07 Jun 2023	03 Feb 2021
Machine Age	hrs	Client Info		9033	7953	4032
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	18	90	154
Chromium	ppm	ASTM D5185(m)	>20	<1	2	5
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	1	2	<1
Lead	ppm	ASTM D5185(m)	>50	0	<1	<1
Copper	ppm	ASTM D5185(m)	>120	1	9	24
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	<1
White Metal	scalar	Visual*	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

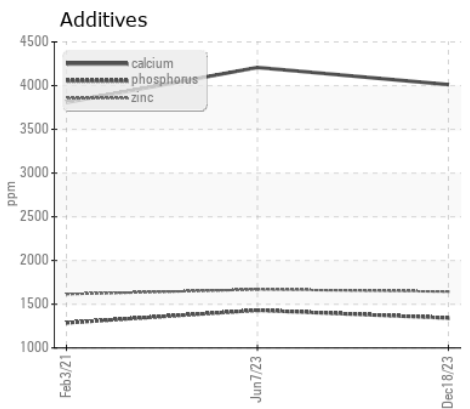
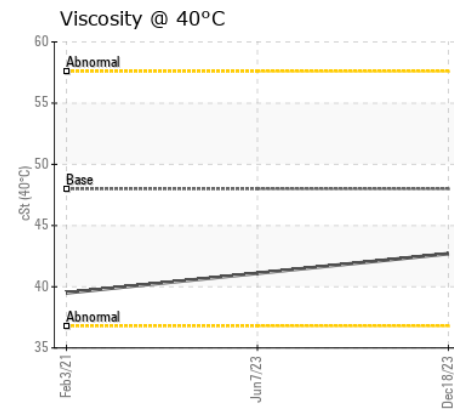
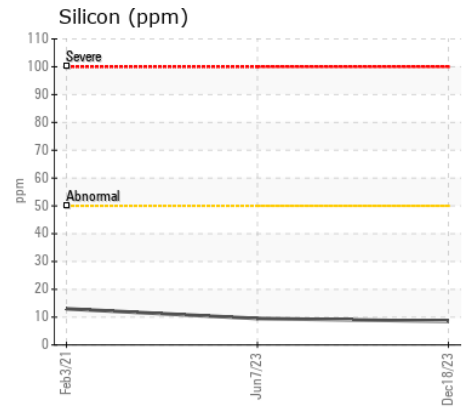
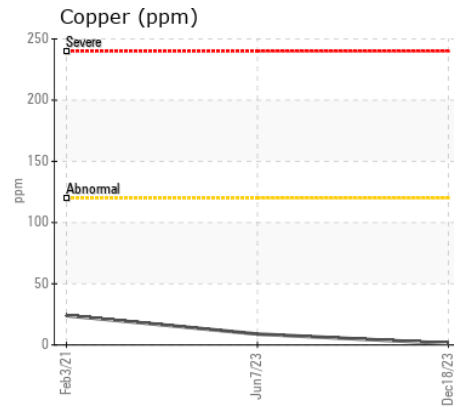
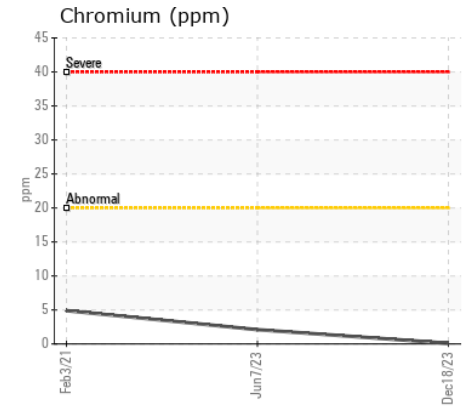
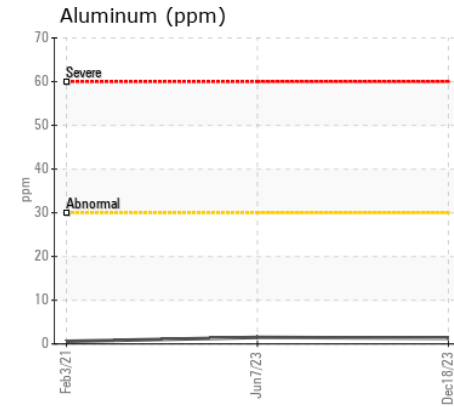
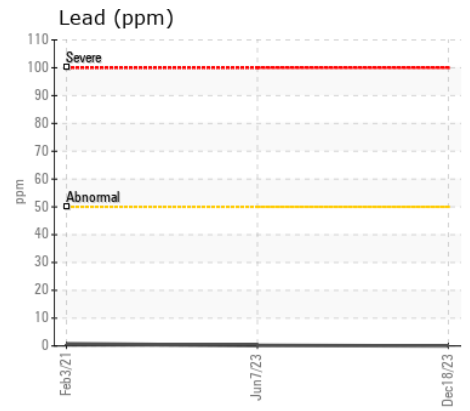
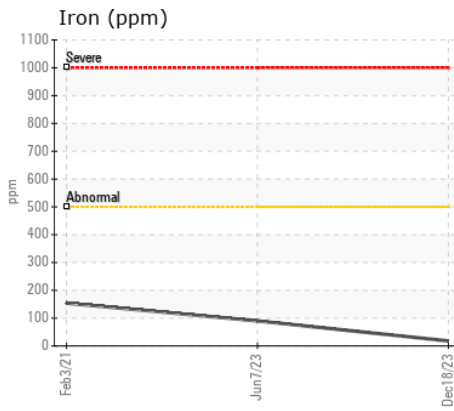
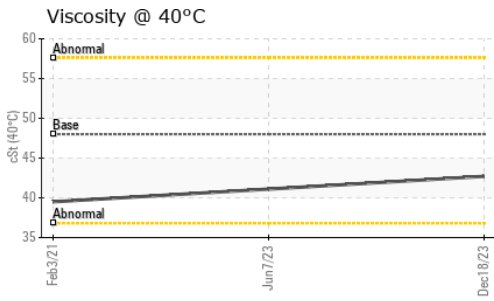
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	8	10	13
Potassium	ppm	ASTM D5185(m)	>20	1	1	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	8	4
Boron	ppm	ASTM D5185(m)	160	116	109	108
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	25	0	1	4
Manganese	ppm	ASTM D5185(m)		0	3	7
Magnesium	ppm	ASTM D5185(m)	12	12	14	9
Calcium	ppm	ASTM D5185(m)	3750	4012	4208	3808
Phosphorus	ppm	ASTM D5185(m)	1200	1342	1431	1287
Zinc	ppm	ASTM D5185(m)	1500	1644	1669	1615
Sulfur	ppm	ASTM D5185(m)	6000	3585	3444	3749
Visc @ 40°C	cSt	ASTM D7279(m)	48	42.7	41.1	39.5



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP393902 **Received** : 22 Jan 2024
Lab Number : 02610376 **Diagnosed** : 22 Jan 2024
Unique Number : 5711462 **Diagnostician** : 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: