



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL



Area
[8-399067]

Machine Id
16-8023

Component
Transmission (Auto)

Fluid
VOLVO EXTRA AUTOMATIC FLUID (--- GAL)

RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP391841	VCP394352	VCP391570
Sample Date		Client Info		26 Mar 2024	27 Nov 2023	23 Aug 2023
Machine Age	hrs	Client Info		10977	10498	9990
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				SEVERE	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*	>60	2	---	---
Iron	ppm	ASTM D5185(m)	>140	70	54	43
Chromium	ppm	ASTM D5185(m)	>2	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>10	4	3	2
Lead	ppm	ASTM D5185(m)	>20	0	<1	0
Copper	ppm	ASTM D5185(m)	>100	8	7	6
Tin	ppm	ASTM D5185(m)	>2	0	0	0
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

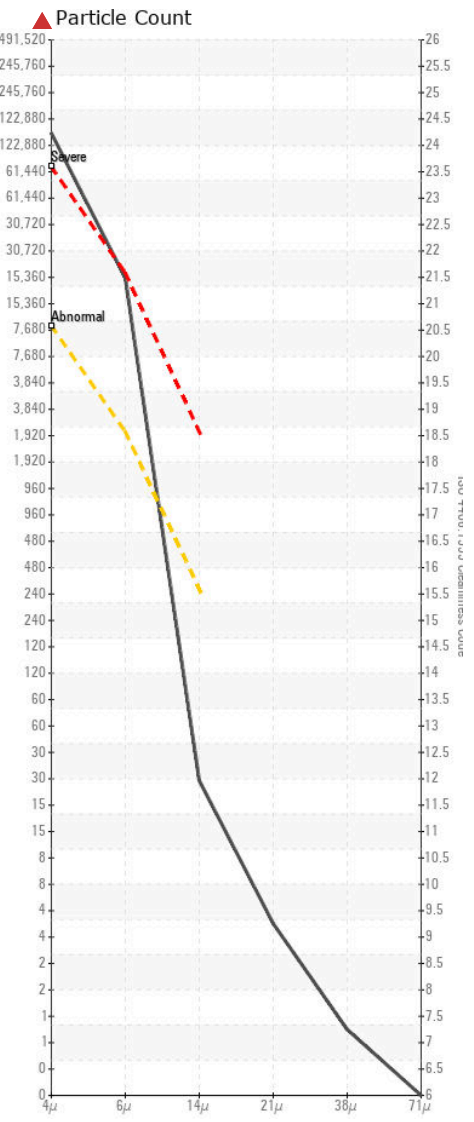
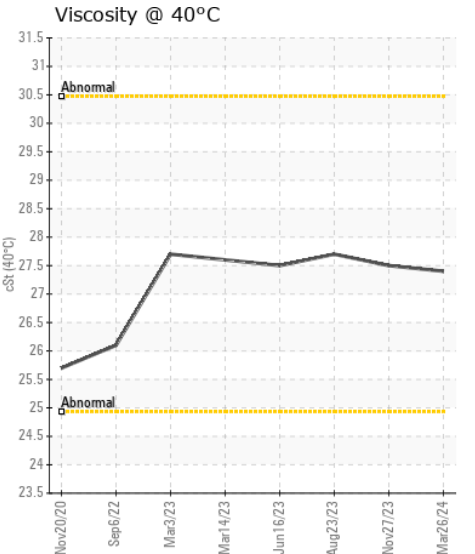
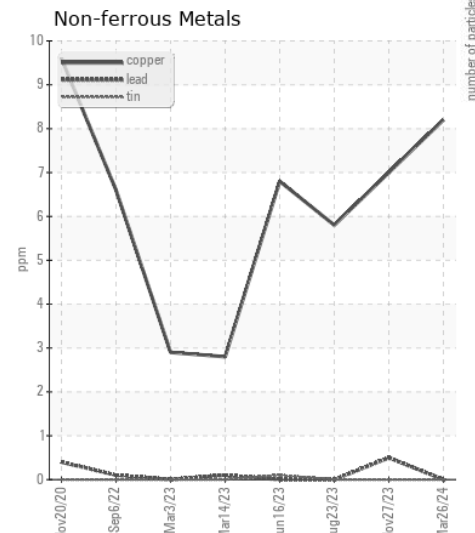
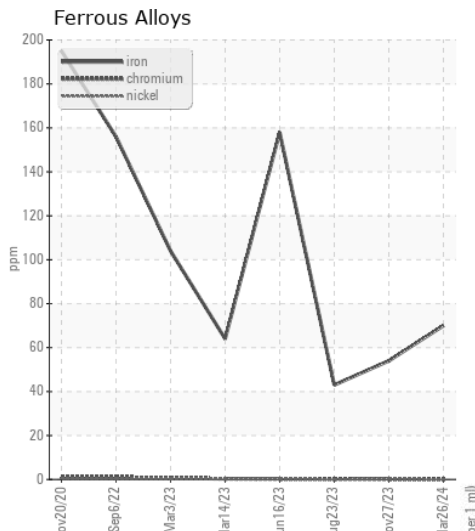
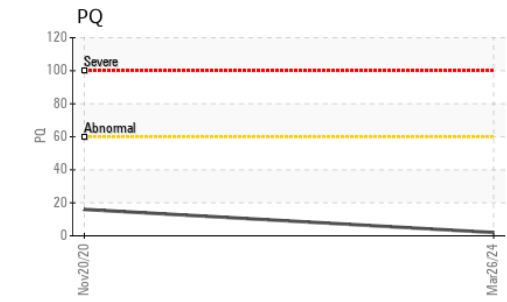
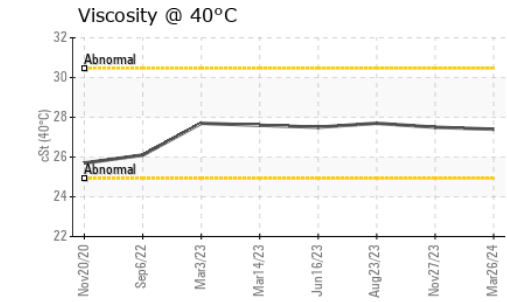
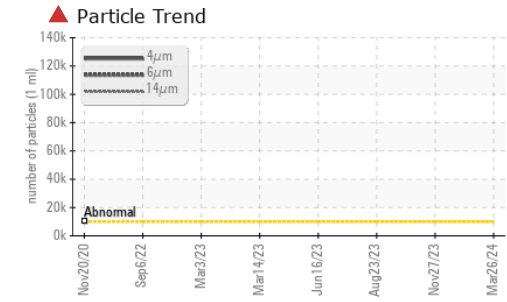
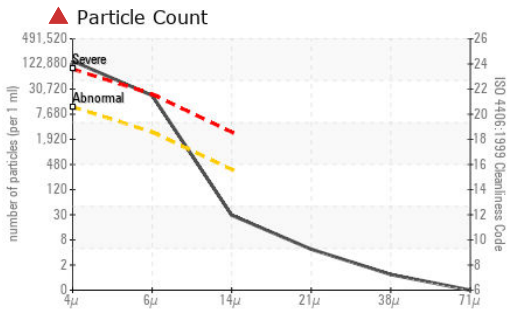
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	6	7	7
Potassium	ppm	ASTM D5185(m)	>20	1	1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 124349	---	---
Particles >6µm		ASTM D7647	>2500	▲ 18734	---	---
Particles >14µm		ASTM D7647	>320	26	---	---
Particles >21µm		ASTM D7647	>80	4	---	---
Particles >38µm		ASTM D7647	>20	1	---	---
Particles >71µm		ASTM D7647	>4	0	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 24/21/12	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
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 still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Sodium	ppm	ASTM D5185(m)		3	3	3
Boron	ppm	ASTM D5185(m)		70	66	74
Barium	ppm	ASTM D5185(m)		4	4	4
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		5	4	4
Magnesium	ppm	ASTM D5185(m)		1	<1	1
Calcium	ppm	ASTM D5185(m)		73	79	73
Phosphorus	ppm	ASTM D5185(m)		188	190	198
Zinc	ppm	ASTM D5185(m)		14	15	12
Sulfur	ppm	ASTM D5185(m)		1599	1572	1653
Visc @ 40°C	cSt	ASTM D7279(m)		27.4	27.5	27.7



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP391841 **Received** : 10 Apr 2024
Lab Number : 02627914 **Tested** : 11 Apr 2024
Unique Number : 5761046 **Diagnosed** : 11 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: PQ, PrtCount)

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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.