



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[SWO-068624]
 Machine Id
VOLVO A45G 352769
 Component
Drop Box
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP447535	VCP431098	VCP416653
Sample Date		Client Info		05 Jan 2024	20 Sep 2023	21 Jun 2023
Machine Age	hrs	Client Info		4942	4400	3875
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	86	94	▲ 537
Chromium	ppm	ASTM D5185m	>20	<1	1	7
Nickel	ppm	ASTM D5185m	>10	<1	<1	5
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	1	5
Lead	ppm	ASTM D5185m	>30	<1	0	<1
Copper	ppm	ASTM D5185m	>30	3	2	11
Tin	ppm	ASTM D5185m	>20	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

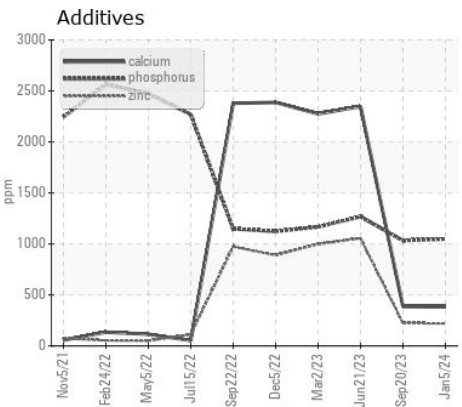
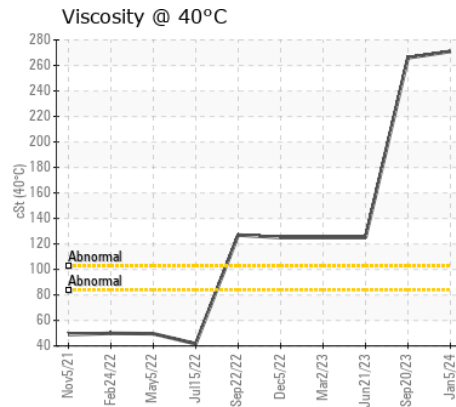
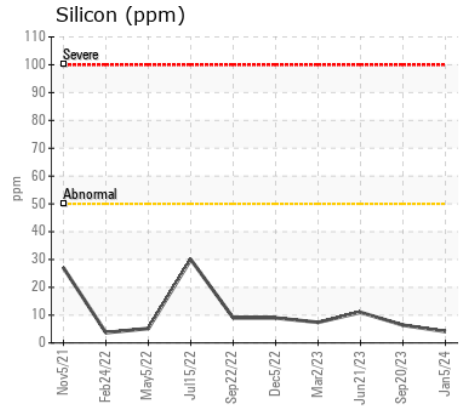
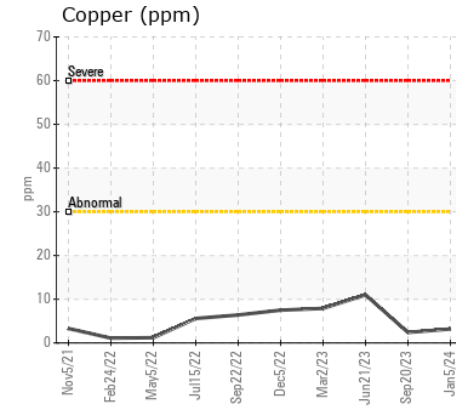
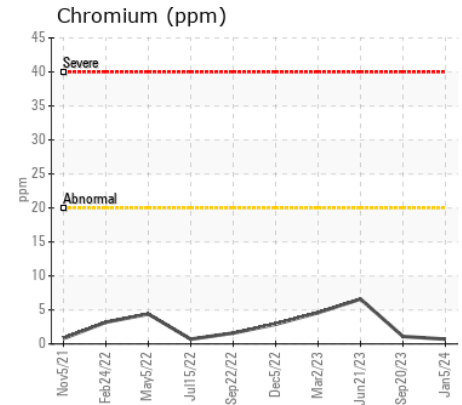
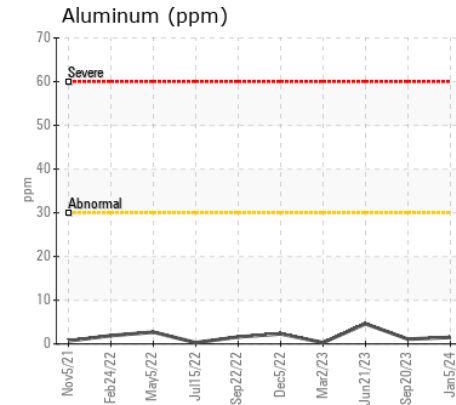
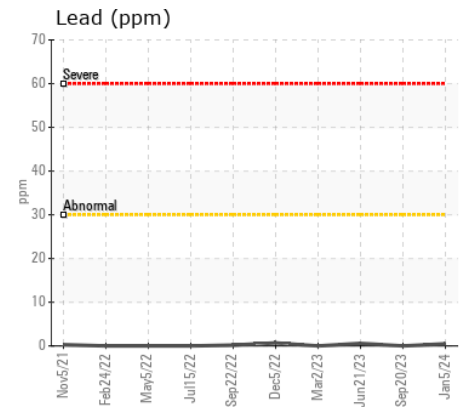
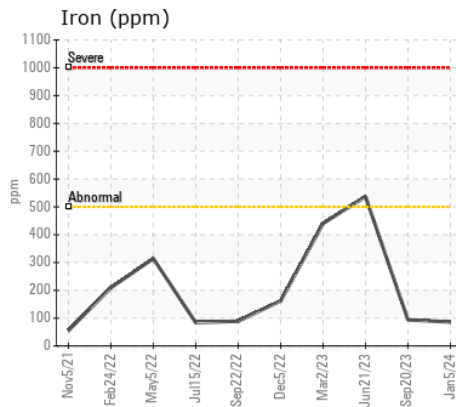
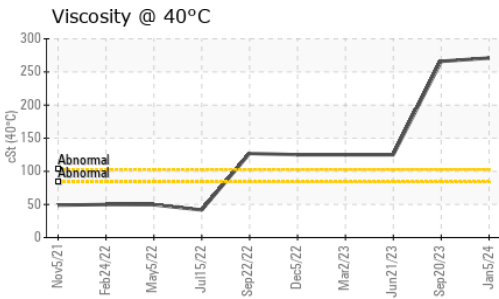
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	4	6	11
Potassium	ppm	ASTM D5185m	>20	2	1	5
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	MODER
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 D5185m		0	<1	10
Boron	ppm	ASTM D5185m		109	95	81
Barium	ppm	ASTM D5185m		4	0	0
Molybdenum	ppm	ASTM D5185m		6	6	15
Manganese	ppm	ASTM D5185m		1	1	6
Magnesium	ppm	ASTM D5185m		17	16	29
Calcium	ppm	ASTM D5185m		383	386	2348
Phosphorus	ppm	ASTM D5185m		1049	1034	1267
Zinc	ppm	ASTM D5185m		220	225	1056
Sulfur	ppm	ASTM D5185m		22109	22625	15032
Visc @ 40°C	cSt	ASTM D445		271	266	125



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP447535 **Received** : 12 Jan 2024
Lab Number : 06059623 **Diagnosed** : 16 Jan 2024
Unique Number : 10831005 **Diagnostician** : Jonathan Hester
Test Package : MOB 1

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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)