



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[SWA590217-20]
 Machine Id
VOLVO A30G 752316
 Component
Front Axle
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP435823	VCP379709	---
Sample Date		Client Info		20 Jun 2024	29 Nov 2022	---
Machine Age	hrs	Client Info		3960	2557	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

Bearing and/or bushing wear is indicated.

Iron	ppm	ASTM D5185m	>900	877	514	---
Chromium	ppm	ASTM D5185m	>20	16	10	---
Nickel	ppm	ASTM D5185m	>10	7	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>30	3	6	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>150	▲ 303	42	---
Tin	ppm	ASTM D5185m	>20	▲ 17	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

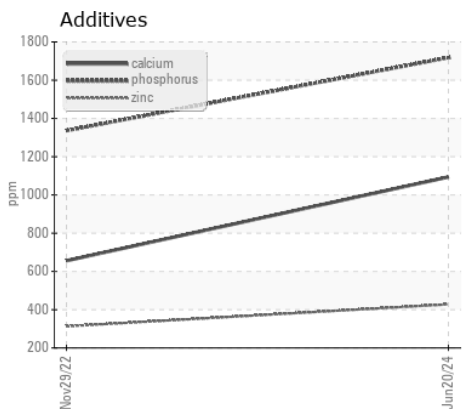
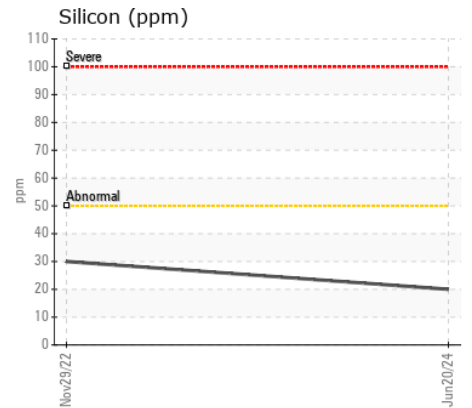
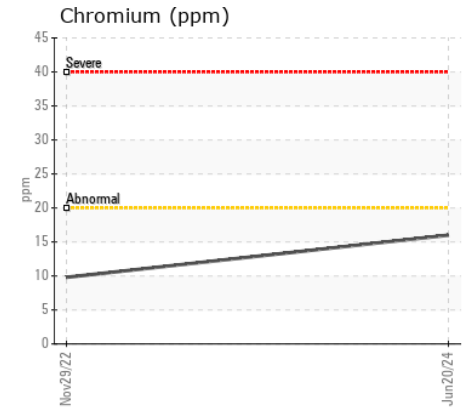
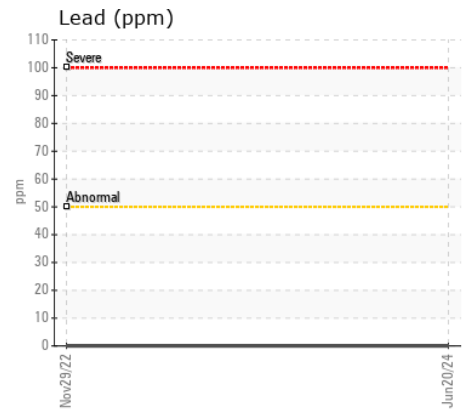
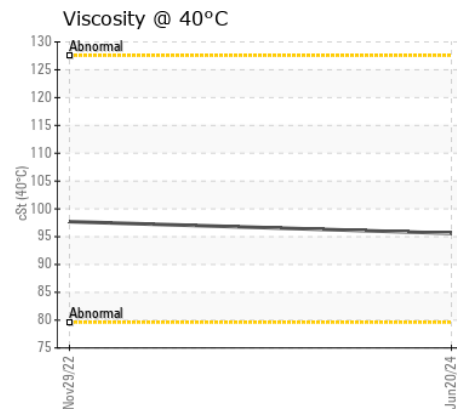
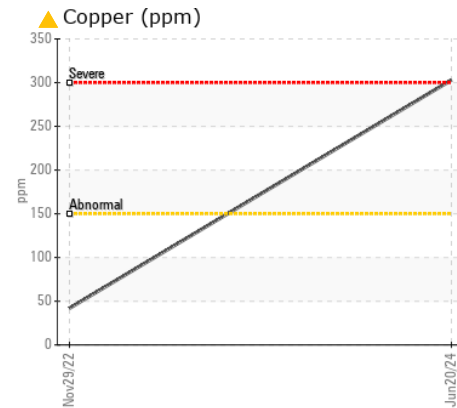
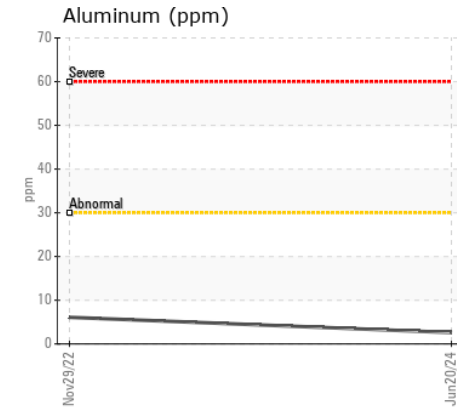
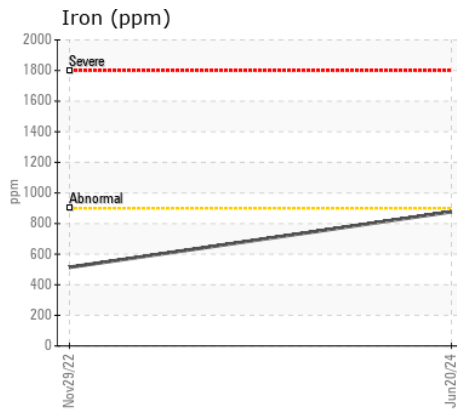
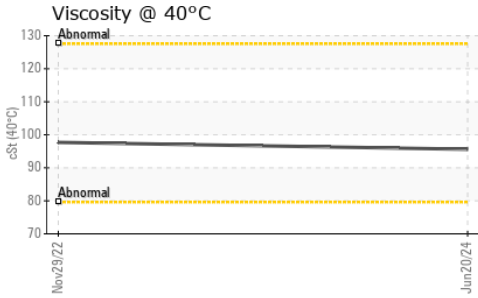
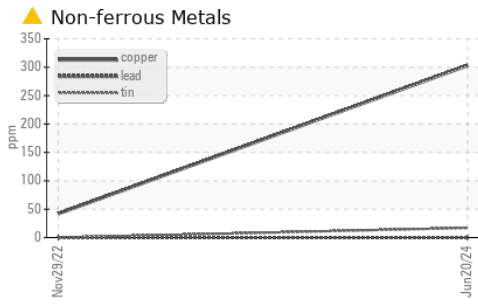
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	20	30	---
Potassium	ppm	ASTM D5185m	>20	7	0	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	0.2%	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	0	---
Boron	ppm	ASTM D5185m		309	155	---
Barium	ppm	ASTM D5185m		5	7	---
Molybdenum	ppm	ASTM D5185m		13	14	---
Manganese	ppm	ASTM D5185m		31	23	---
Magnesium	ppm	ASTM D5185m		5	10	---
Calcium	ppm	ASTM D5185m		1094	656	---
Phosphorus	ppm	ASTM D5185m		1718	1336	---
Zinc	ppm	ASTM D5185m		428	313	---
Sulfur	ppm	ASTM D5185m		20042	22629	---
Visc @ 40°C	cSt	ASTM D445		95.6	97.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP435823
Lab Number : 06226585
Unique Number : 11110078
Test Package : MOB 1

Received : 02 Jul 2024
Tested : 03 Jul 2024
Diagnosed : 05 Jul 2024 - Don Baldrige

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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)