



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[SW0071894]
 Machine Id
VOLVO A30G 753219
 Component
Front Axle
 Fluid
COWIN 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP434681	VCP434683	VCP412648
Sample Date		Client Info		09 May 2024	23 Jan 2024	13 Sep 2023
Machine Age	hrs	Client Info		2078	1500	1000
Oil Age	hrs	Client Info		0	1500	1000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>900	298	653	▲ 935
Chromium	ppm	ASTM D5185m	>20	5	10	16
Nickel	ppm	ASTM D5185m	>10	2	5	8
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	<1	<1	<1
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>150	47	43	37
Tin	ppm	ASTM D5185m	>20	2	2	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

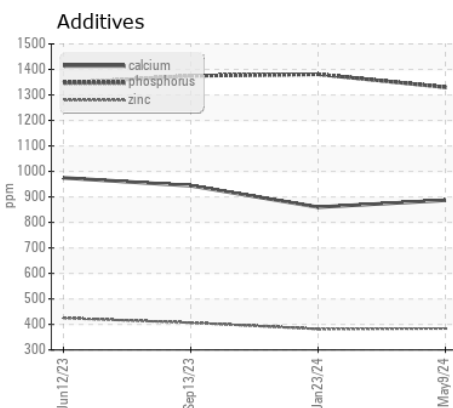
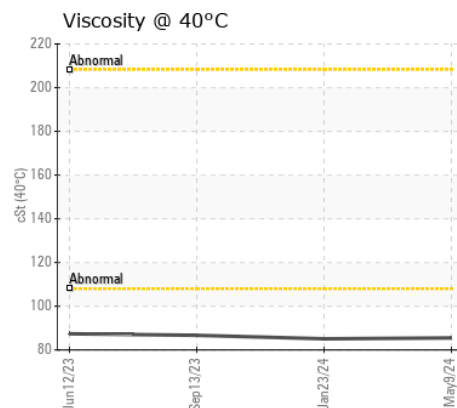
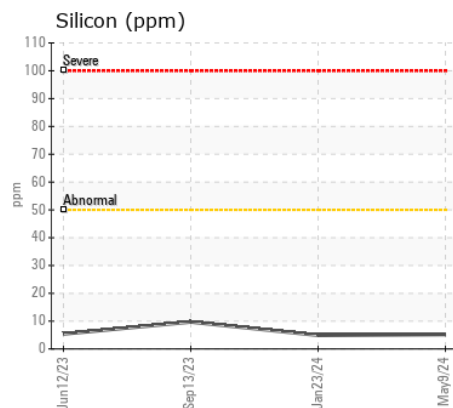
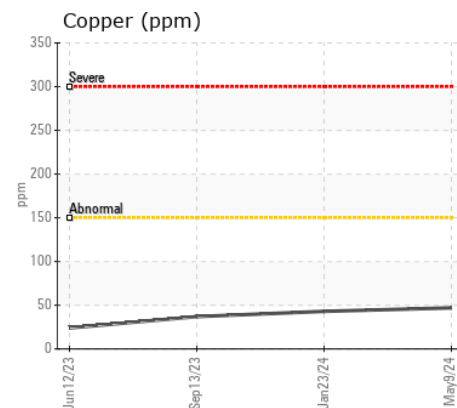
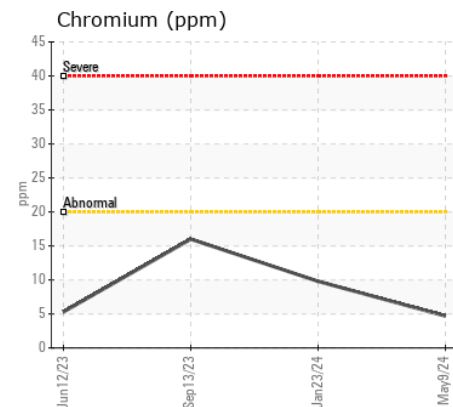
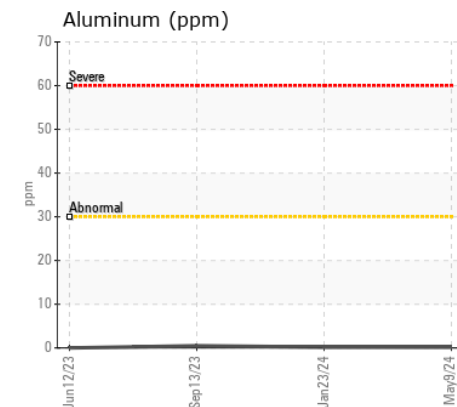
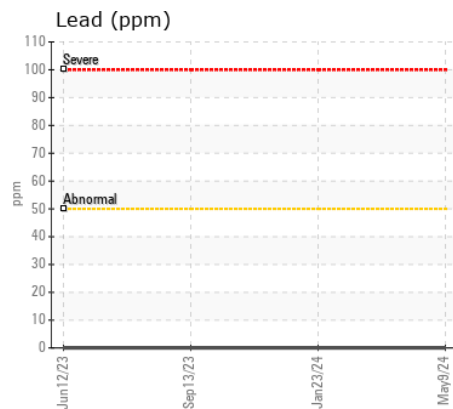
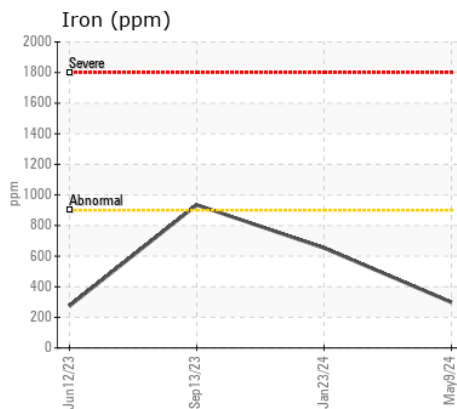
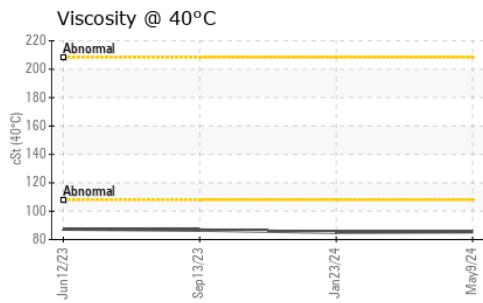
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	5	5	10
Potassium	ppm	ASTM D5185m	>20	2	4	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	MODER	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		2	1	2
Boron	ppm	ASTM D5185m		230	232	234
Barium	ppm	ASTM D5185m		2	6	6
Molybdenum	ppm	ASTM D5185m		2	4	5
Manganese	ppm	ASTM D5185m		8	14	19
Magnesium	ppm	ASTM D5185m		2	4	7
Calcium	ppm	ASTM D5185m		887	860	944
Phosphorus	ppm	ASTM D5185m		1330	1381	1375
Zinc	ppm	ASTM D5185m		384	382	407
Sulfur	ppm	ASTM D5185m		21755	17838	18811
Visc @ 40°C	cSt	ASTM D445		85.5	85.1	86.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP434681 **Received** : 13 May 2024
Lab Number : 06177521 **Tested** : 14 May 2024
Unique Number : 11023574 **Diagnosed** : 14 May 2024 - Wes Davis
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)