



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[716675 ALTA RENTS]
Machine Id
VOLVO L70H 624454
Component
Rear Axle
Fluid
VOLVO WB 102 (--- GAL)



RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP449923	VCP428726	VCP418903
Sample Date		Client Info		20 May 2024	20 Dec 2023	23 May 2023
Machine Age	hrs	Client Info		4170	3446	2683
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		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	22	43	97
Chromium	ppm	ASTM D5185m	>20	0	2	4
Nickel	ppm	ASTM D5185m	>10	<1	<1	1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	1	2	1
Lead	ppm	ASTM D5185m	>50	<1	0	<1
Copper	ppm	ASTM D5185m	>120	1	32	▲ 134
Tin	ppm	ASTM D5185m	>20	<1	2	15
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

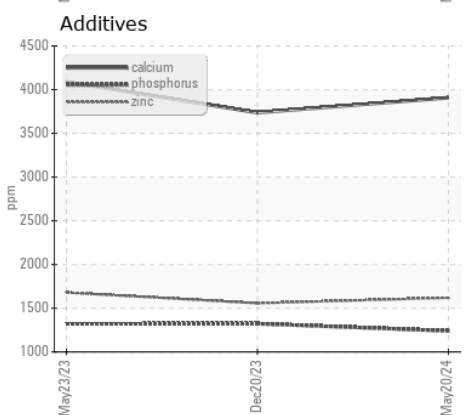
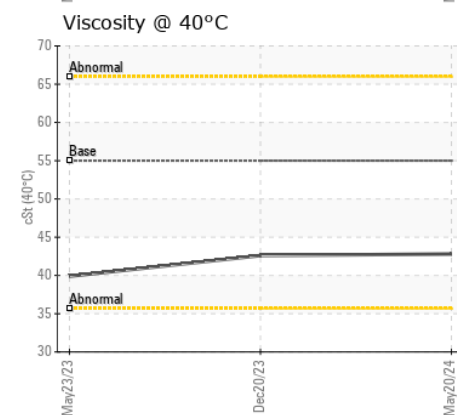
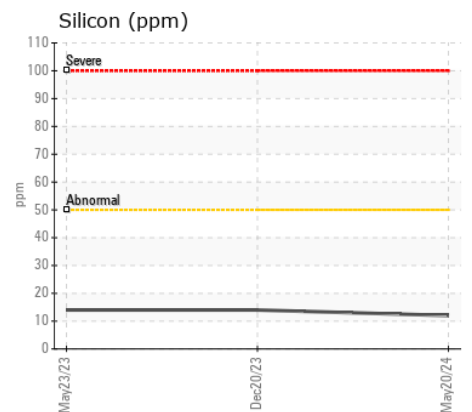
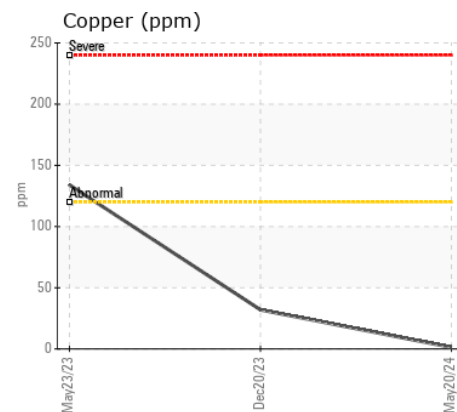
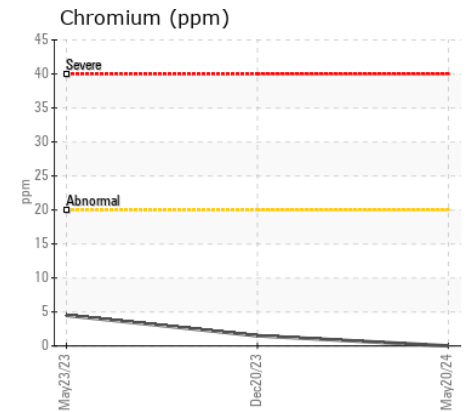
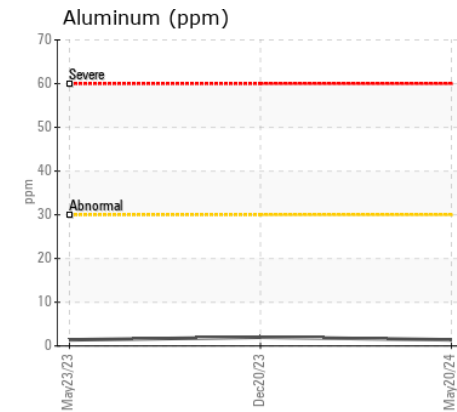
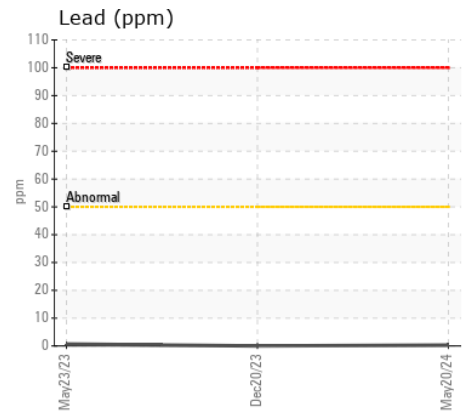
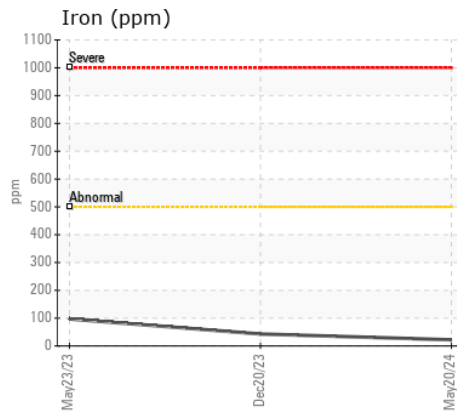
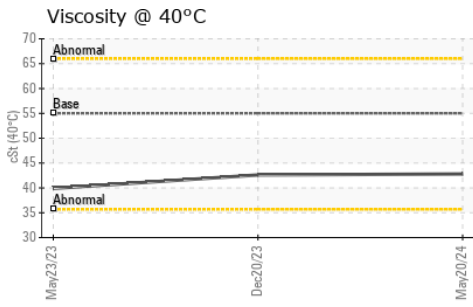
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	12	14	14
Potassium	ppm	ASTM D5185m	>20	0	1	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	MODER
Debris	scalar	*Visual	NONE	LIGHT	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	0	8
Boron	ppm	ASTM D5185m		135	139	132
Barium	ppm	ASTM D5185m		0	10	2
Molybdenum	ppm	ASTM D5185m		4	4	2
Manganese	ppm	ASTM D5185m		2	3	10
Magnesium	ppm	ASTM D5185m		29	31	13
Calcium	ppm	ASTM D5185m		3908	3737	4089
Phosphorus	ppm	ASTM D5185m		1241	1323	1321
Zinc	ppm	ASTM D5185m		1620	1557	1680
Sulfur	ppm	ASTM D5185m		4443	5672	4620
Visc @ 40°C	cSt	ASTM D445	55	42.8	42.6	39.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP449923 **Received** : 24 May 2024
Lab Number : 06190796 **Tested** : 28 May 2024
Unique Number : 11047548 **Diagnosed** : 28 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)