



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
REGION OF WATERLOO [401608]

Machine Id
VOLVO L150H 7109

Component
Front 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		VCP429871	VCP381536	VCP353213
Sample Date		Client Info		23 Apr 2024	25 Oct 2023	20 Apr 2023
Machine Age	hrs	Client Info		3000	2000	999
Oil Age	hrs	Client Info		3000	2000	999
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	109	87	40
Chromium	ppm	ASTM D5185(m)	>20	4	3	2
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>30	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>50	0	<1	<1
Copper	ppm	ASTM D5185(m)	>120	2	2	2
Tin	ppm	ASTM D5185(m)	>20	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

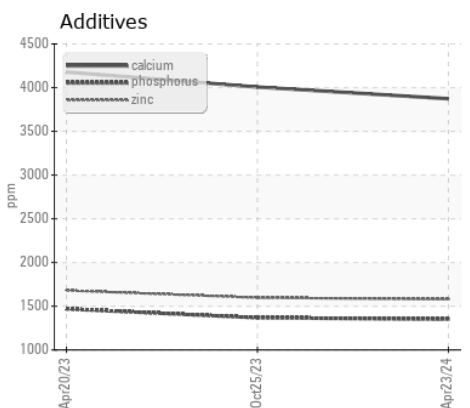
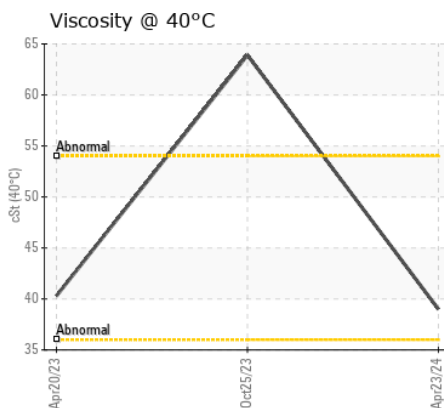
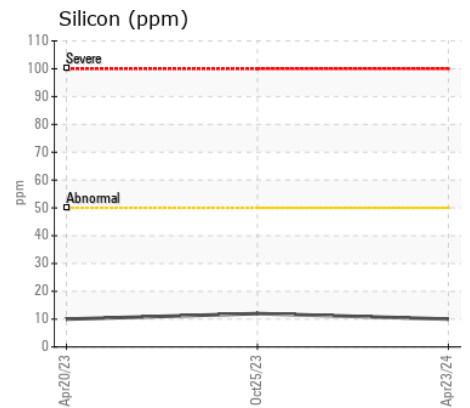
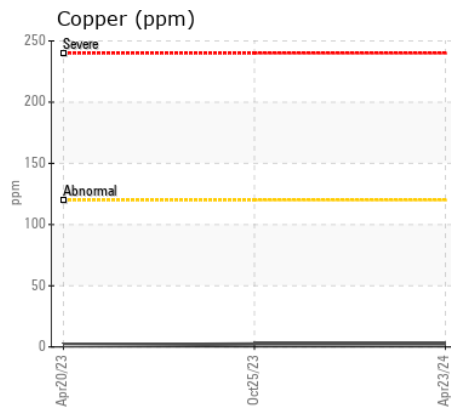
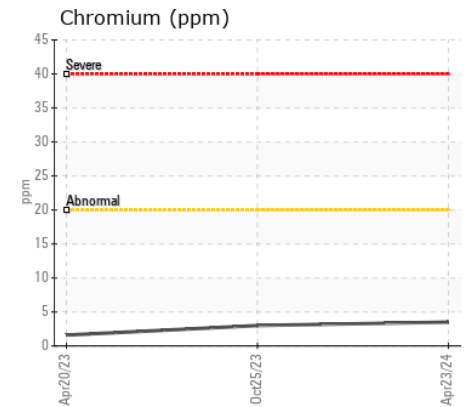
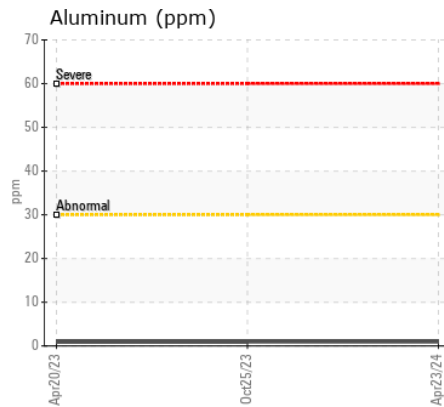
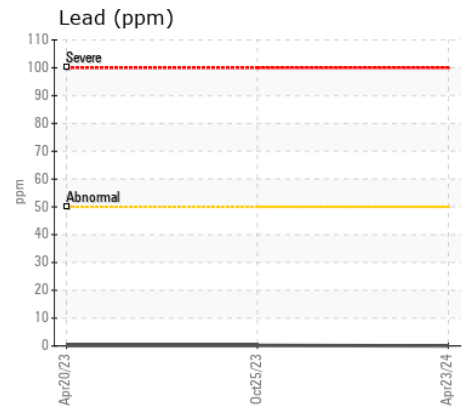
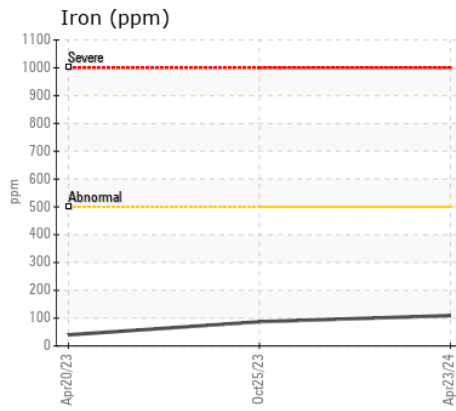
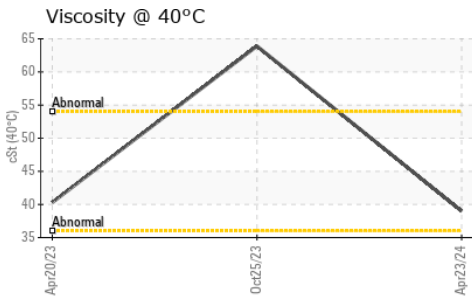
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	10	12	10
Potassium	ppm	ASTM D5185(m)	>20	3	2	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
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 D5185(m)		10	10	10
Boron	ppm	ASTM D5185(m)		114	114	114
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		2	2	2
Manganese	ppm	ASTM D5185(m)		5	4	3
Magnesium	ppm	ASTM D5185(m)		11	10	10
Calcium	ppm	ASTM D5185(m)		3873	4007	4178
Phosphorus	ppm	ASTM D5185(m)		1352	1368	1469
Zinc	ppm	ASTM D5185(m)		1580	1597	1681
Sulfur	ppm	ASTM D5185(m)		3493	3516	3498
Visc @ 40°C	cSt	ASTM D7279(m)		39.0	63.9	40.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP429871
Lab Number : 02631397
Unique Number : 5772550
Test Package : MOB 1
Received : 25 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 25 Apr 2024 - Wes Davis

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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.