



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
REGION OF WATERLOO [401608]

Machine Id
VOLVO L150H 7109

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		VCP431137	VCP394196	VCP353209
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	132	100	31
Chromium	ppm	ASTM D5185(m)	>20	3	3	<1
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	0	<1
Copper	ppm	ASTM D5185(m)	>120	2	2	1
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

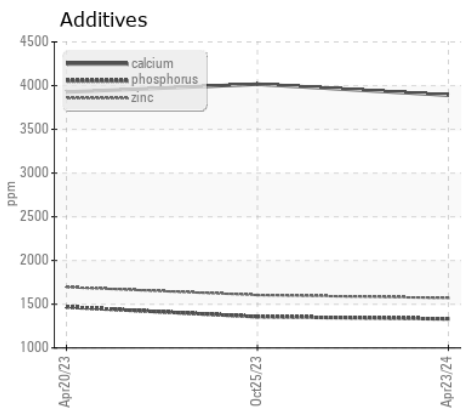
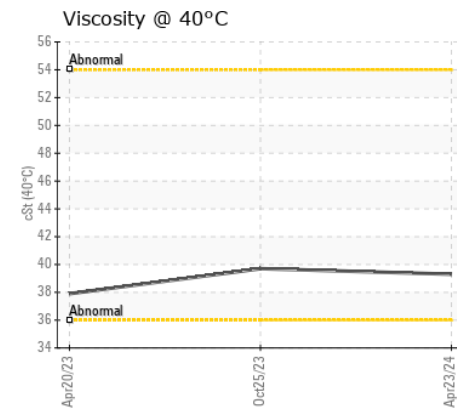
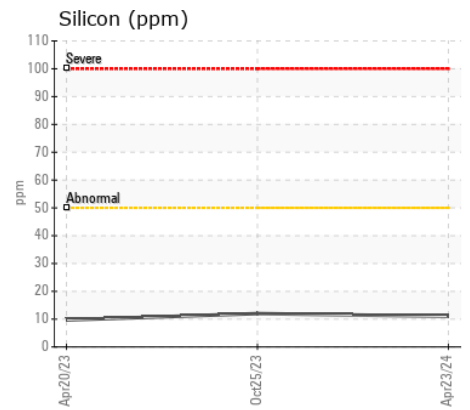
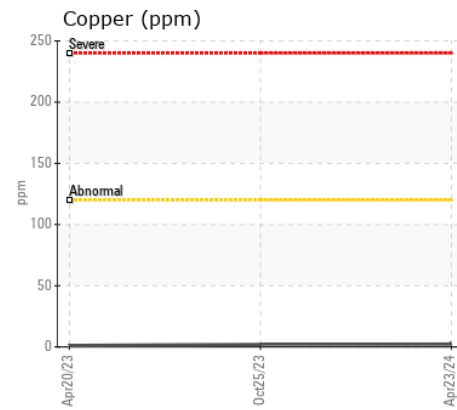
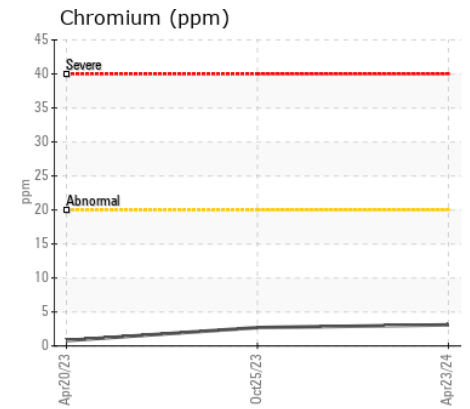
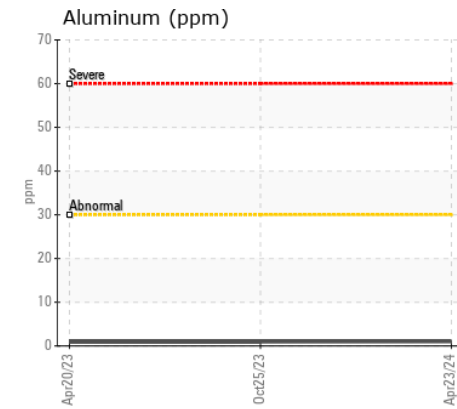
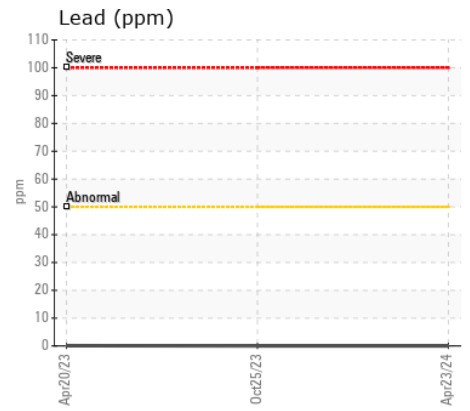
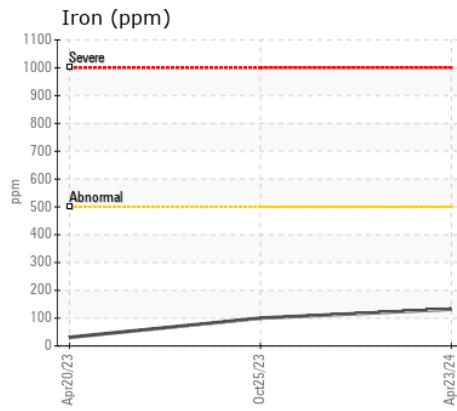
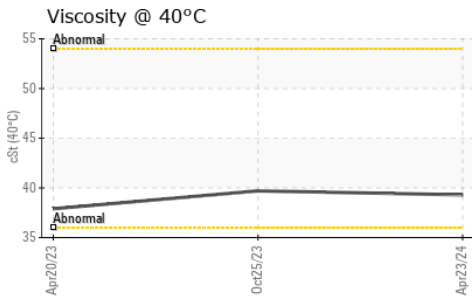
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	11	12	10
Potassium	ppm	ASTM D5185(m)	>20	2	2	2
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	111
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		2	3	2
Manganese	ppm	ASTM D5185(m)		4	3	2
Magnesium	ppm	ASTM D5185(m)		10	10	8
Calcium	ppm	ASTM D5185(m)		3891	4017	3927
Phosphorus	ppm	ASTM D5185(m)		1332	1357	1468
Zinc	ppm	ASTM D5185(m)		1571	1605	1696
Sulfur	ppm	ASTM D5185(m)		3426	3437	3564
Visc @ 40°C	cSt	ASTM D7279(m)		39.3	39.7	37.9



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP431137 **Received** : 25 Apr 2024
Lab Number : 02631399 **Tested** : 25 Apr 2024
Unique Number : 5772552 **Diagnosed** : 25 Apr 2024 - Wes Davis
Test Package : MOB 1

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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.