



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
REGION OF WATERLOO [400929]

Machine Id
VOLVO L150H 6139

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		VCP430077	VCE117675	---
Sample Date		Client Info		15 Apr 2024	18 Aug 2020	---
Machine Age	hrs	Client Info		10000	4307	---
Oil Age	hrs	Client Info		2000	4000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Not Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	18	169	---
Chromium	ppm	ASTM D5185(m)	>20	0	5	---
Nickel	ppm	ASTM D5185(m)	>10	0	1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>30	1	<1	---
Lead	ppm	ASTM D5185(m)	>50	0	<1	---
Copper	ppm	ASTM D5185(m)	>120	5	16	---
Tin	ppm	ASTM D5185(m)	>20	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	<1	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

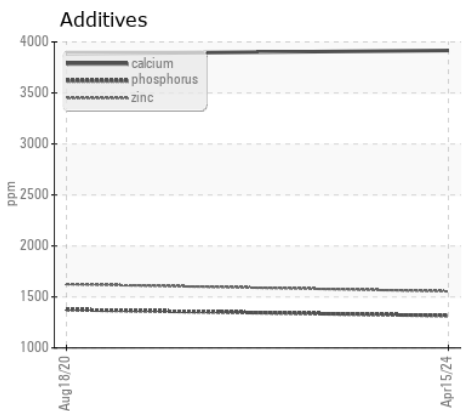
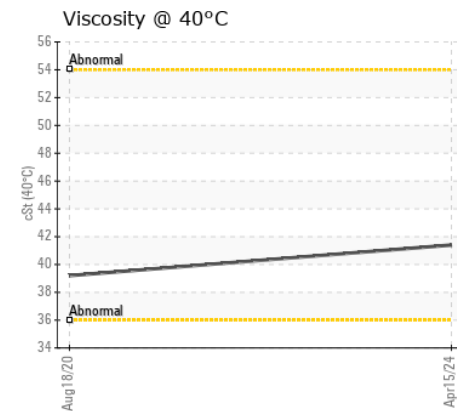
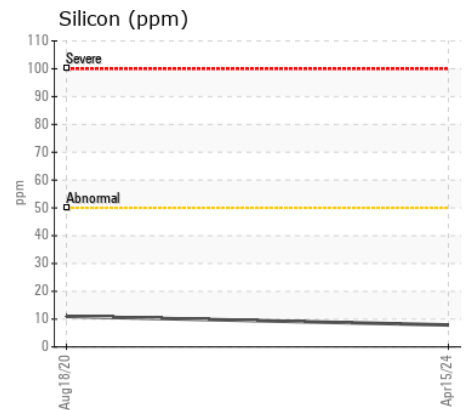
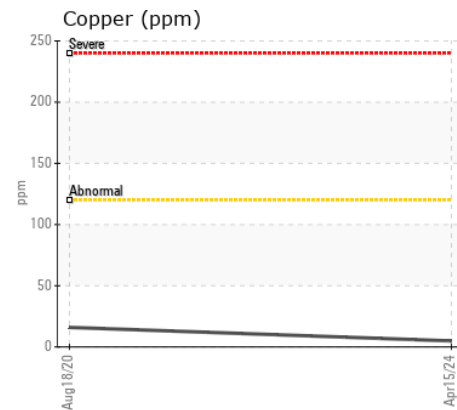
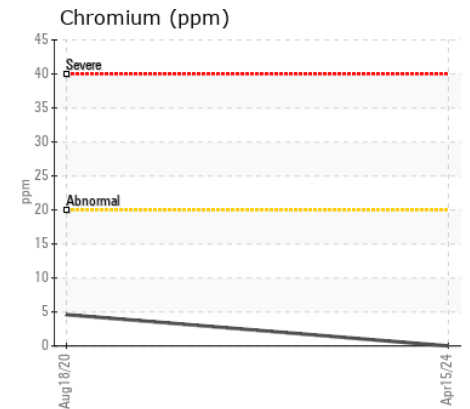
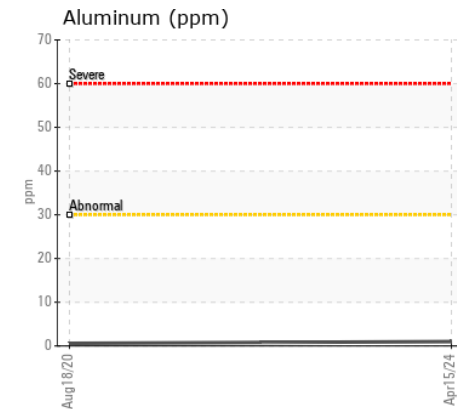
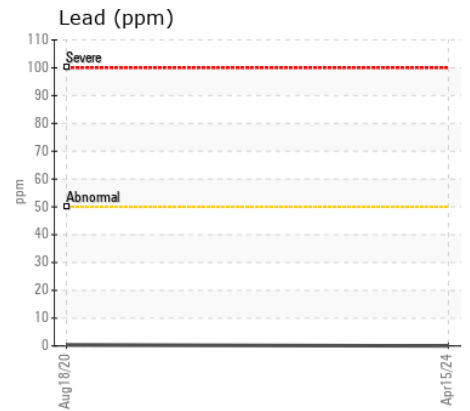
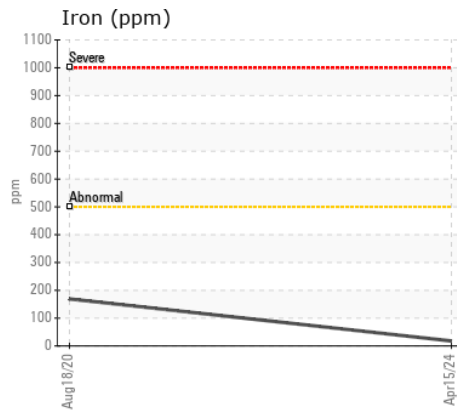
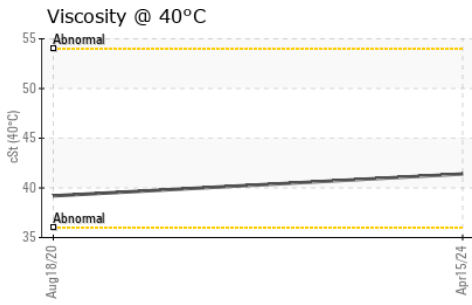
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	8	11	---
Potassium	ppm	ASTM D5185(m)	>20	<1	2	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	VLITE	---
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	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		1	7	---
Boron	ppm	ASTM D5185(m)		111	110	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		0	5	---
Manganese	ppm	ASTM D5185(m)		<1	7	---
Magnesium	ppm	ASTM D5185(m)		14	8	---
Calcium	ppm	ASTM D5185(m)		3916	3884	---
Phosphorus	ppm	ASTM D5185(m)		1316	1375	---
Zinc	ppm	ASTM D5185(m)		1555	1625	---
Sulfur	ppm	ASTM D5185(m)		3342	3420	---
Visc @ 40°C	cSt	ASTM D7279(m)		41.4	39.2	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP430077 **Received** : 25 Apr 2024
Lab Number : 02631398 **Tested** : 25 Apr 2024
Unique Number : 5772551 **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.