



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W03008000]
Machine Id
VOLVO L70H 624420
Component
Rear Axle
Fluid
MOBIL WB 102 (9 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: W03008000)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		ML0002427	VCP315929	---
Sample Date		Client Info		19 Jun 2024	26 Jan 2022	---
Machine Age	hrs	Client Info		3918	1075	---
Oil Age	hrs	Client Info		2843	1075	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	Not Changed	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	82	52	---
Chromium	ppm	ASTM D5185m	>20	1	3	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	3	---
Aluminum	ppm	ASTM D5185m	>30	3	2	---
Lead	ppm	ASTM D5185m	>50	<1	<1	---
Copper	ppm	ASTM D5185m	>120	▲ 173	32	---
Tin	ppm	ASTM D5185m	>20	▲ 20	3	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

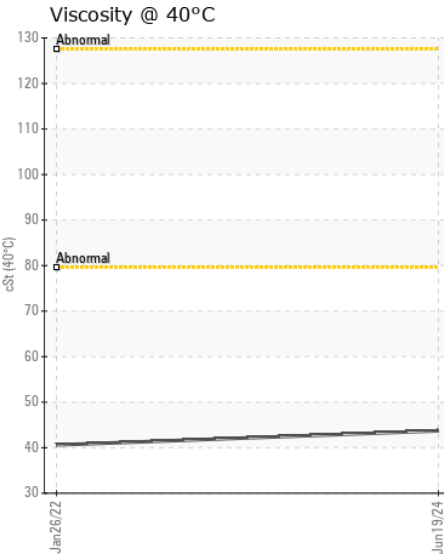
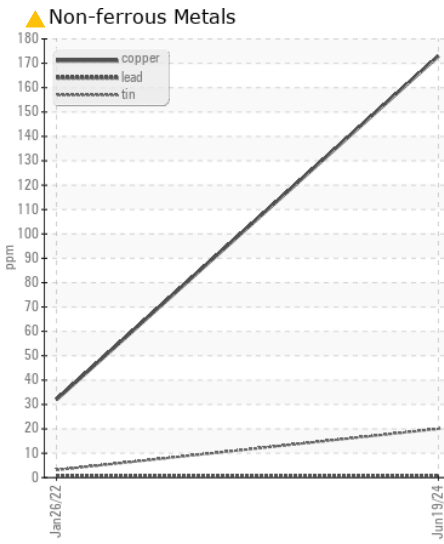
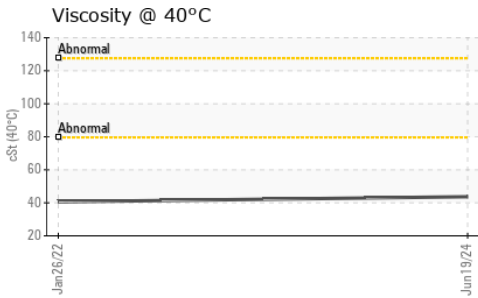
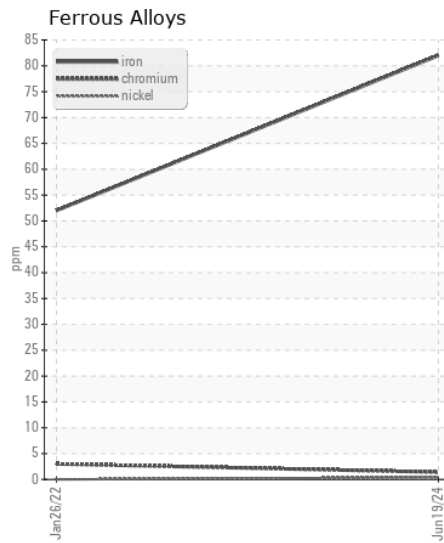
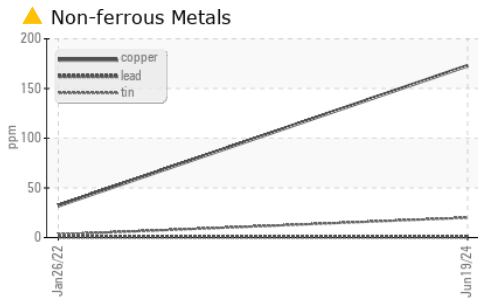
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	18	15	---
Potassium	ppm	ASTM D5185m	>20	3	0	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
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 D5185m		8	11	---
Boron	ppm	ASTM D5185m		127	131	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		5	4	---
Manganese	ppm	ASTM D5185m		4	9	---
Magnesium	ppm	ASTM D5185m		75	15	---
Calcium	ppm	ASTM D5185m		3753	4047	---
Phosphorus	ppm	ASTM D5185m		1413	1317	---
Zinc	ppm	ASTM D5185m		1600	1640	---
Sulfur	ppm	ASTM D5185m		4914	3910	---
Visc @ 40°C	cSt	ASTM D445		43.7	40.6	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0002427
Lab Number : 06216379
Unique Number : 11089243
Test Package : CONST

Received : 20 Jun 2024
Tested : 21 Jun 2024
Diagnosed : 23 Jun 2024 - Don Baldrige

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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)