



VOLVO

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[41782 COVIA]
Machine Id
VOLVO L180C 61057
Component
Transmission
Fluid
VOLVO 10W40 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP447643	VCP239740	---
Sample Date		Client Info		20 May 2024	24 Apr 2020	---
Machine Age	hrs	Client Info		4333	0	---
Oil Age	hrs	Client Info		0	2000	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

The lead level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	30	19	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	1	---
Silver	ppm	ASTM D5185m		1	<1	---
Aluminum	ppm	ASTM D5185m	>30	6	3	---
Lead	ppm	ASTM D5185m	>50	▲ 76	60	---
Copper	ppm	ASTM D5185m	>300	56	29	---
Tin	ppm	ASTM D5185m	>20	4	0	---
Vanadium	ppm	ASTM D5185m		<1	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 fluid.

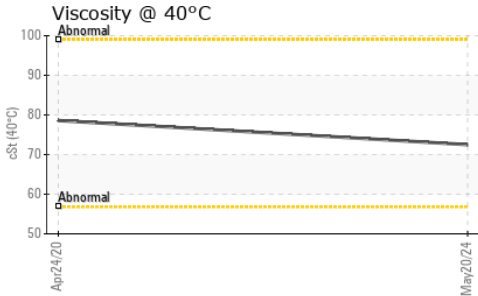
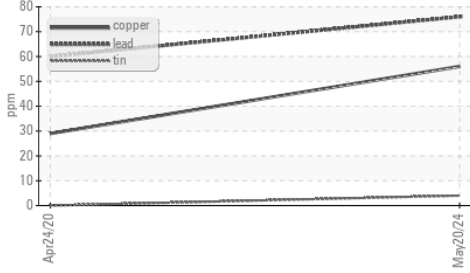
Silicon	ppm	ASTM D5185m	>50	9	8	---
Potassium	ppm	ASTM D5185m	>20	3	2	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

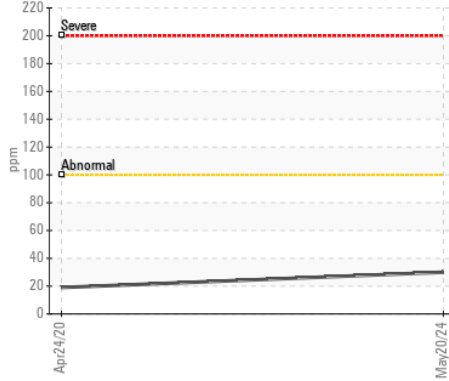
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		8	17	---
Boron	ppm	ASTM D5185m		86	64	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		42	45	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		522	677	---
Calcium	ppm	ASTM D5185m		1856	1668	---
Phosphorus	ppm	ASTM D5185m		897	845	---
Zinc	ppm	ASTM D5185m		1158	981	---
Sulfur	ppm	ASTM D5185m		3818	2653	---
Visc @ 40°C	cSt	ASTM D445		72.5	78.6	---

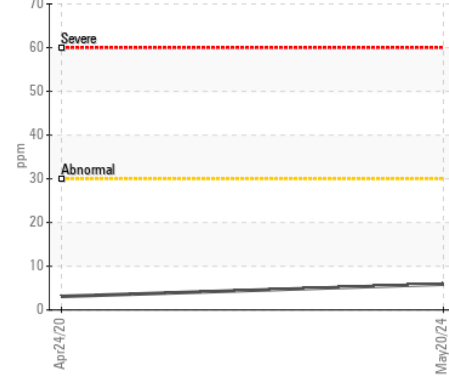
▲ Non-ferrous Metals



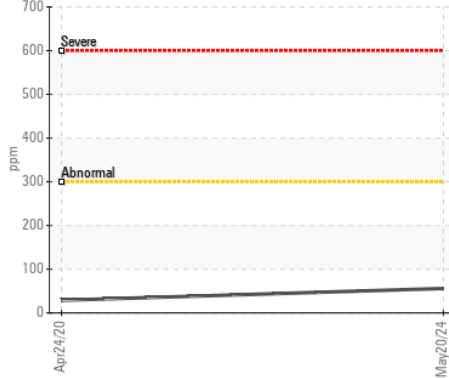
Iron (ppm)



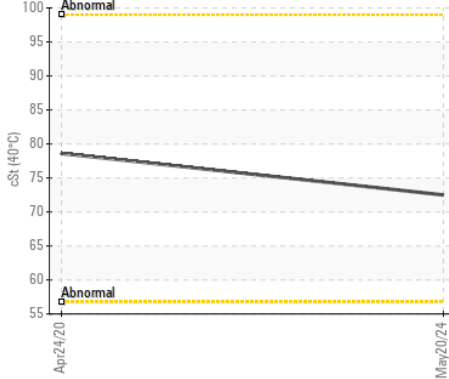
Aluminum (ppm)



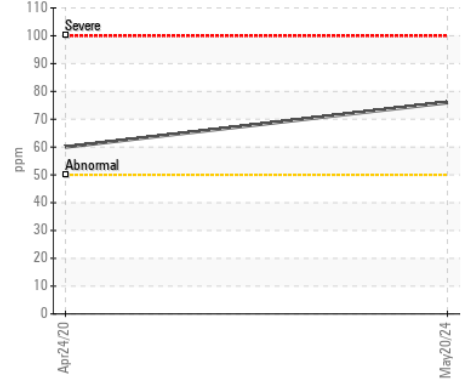
Copper (ppm)



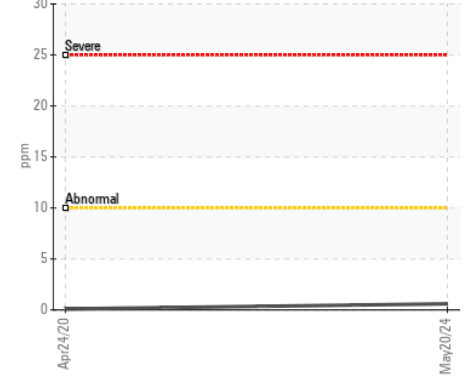
Viscosity @ 40°C



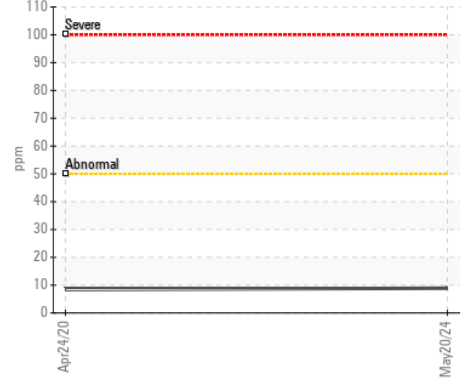
▲ Lead (ppm)



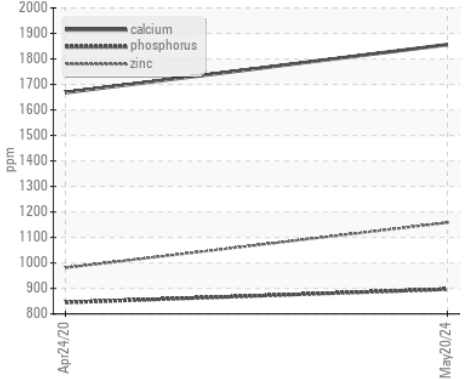
Chromium (ppm)



Silicon (ppm)



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : VCP447643
 Lab Number : 06189653
 Unique Number : 11046405
 Test Package : MOB 1

Received : 23 May 2024
 Tested : 24 May 2024
 Diagnosed : 28 May 2024 - Sean Felton

215 - ASCENDUM MACHINERY INC - CAYCE
 2303 AIRPORT BLVD
 CAYCE, SC
 US 29033

Contact: ROBBY HERLONG
 robbly.herlong@ascendummachinery.com

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)

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