



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SPM688851 GA PACIFIC]

Machine Id
VOLVO L150H 7091

Component
Front Axle

Fluid
VOLVO WET BRAKE TRANSAXLE OIL (--- GAL)



RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP426468	VCP443596	VCP425441
Sample Date		Client Info		12 Apr 2024	15 Mar 2024	10 Nov 2023
Machine Age	hrs	Client Info		6091	5645	4509
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	20	16	183
Chromium	ppm	ASTM D5185m	>20	<1	1	3
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>30	<1	2	2
Lead	ppm	ASTM D5185m	>50	0	1	0
Copper	ppm	ASTM D5185m	>120	0	<1	1
Tin	ppm	ASTM D5185m	>20	0	1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

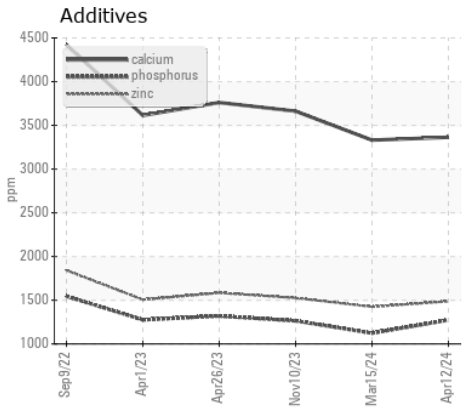
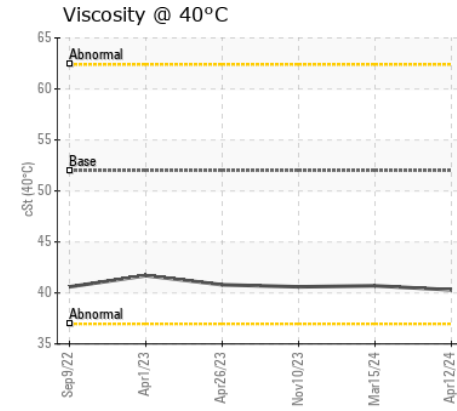
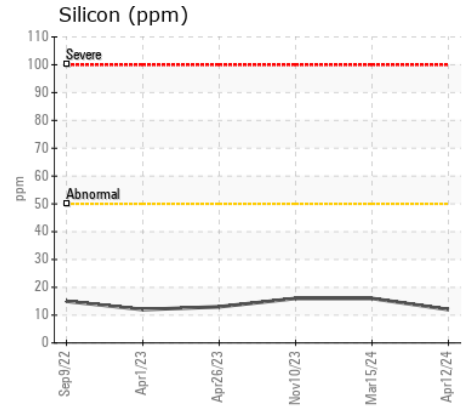
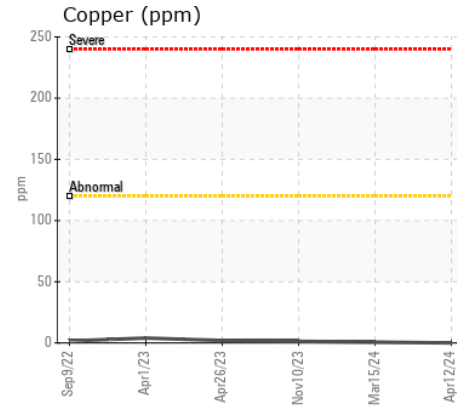
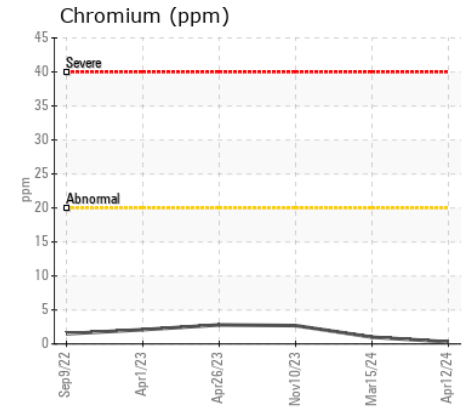
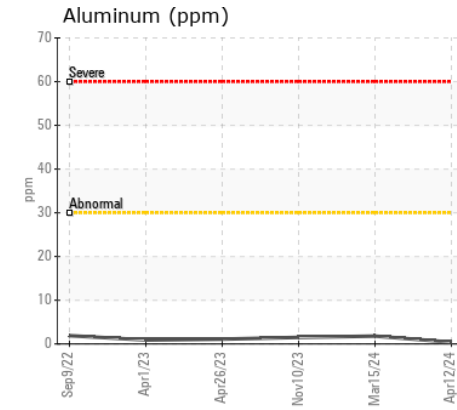
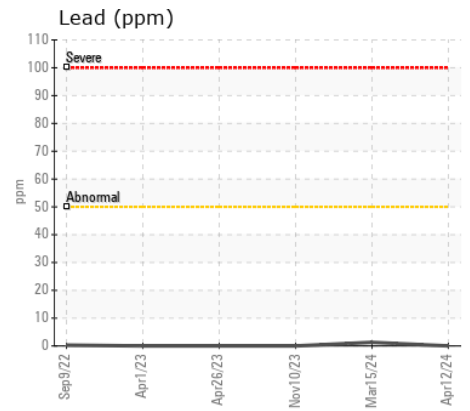
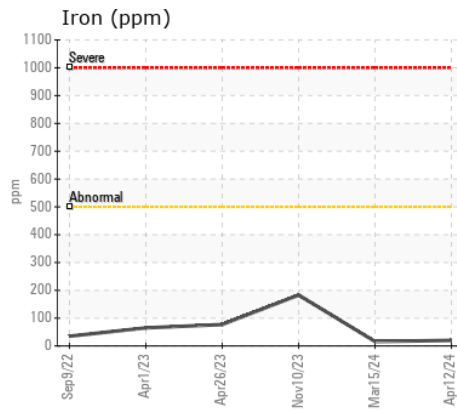
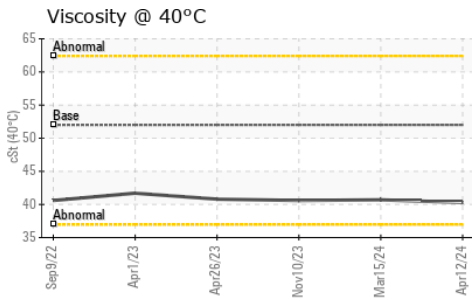
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	12	16	16
Potassium	ppm	ASTM D5185m	>20	0	2	4
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	NONE
Debris	scalar	*Visual	NONE	LIGHT	MODER	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 D5185m		<1	0	7
Boron	ppm	ASTM D5185m	100	10	16	119
Barium	ppm	ASTM D5185m	0	0	1	2
Molybdenum	ppm	ASTM D5185m	0	0	1	7
Manganese	ppm	ASTM D5185m		1	2	7
Magnesium	ppm	ASTM D5185m	0	0	10	10
Calcium	ppm	ASTM D5185m	3800	3364	3331	3662
Phosphorus	ppm	ASTM D5185m	1200	1274	1123	1264
Zinc	ppm	ASTM D5185m	1500	1487	1424	1526
Sulfur	ppm	ASTM D5185m	6500	5112	4908	5367
Visc @ 40°C	cSt	ASTM D445	52.0	40.3	40.7	40.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP426468
Lab Number : 06154881
Unique Number : 10990304
Test Package : MOB 1

Received : 19 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 22 Apr 2024 - Wes Davis

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 5000 INDUSTRIAL HWY
 GARY, IN
 US 46406
 Contact: DAVE ENG
 DAVE.ENG@ALTG.COM
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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)