MOB I VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SPM661220]
Machine Id
VOLVO L180H 5412
Component
Front Axle
Fluid
VOLVO WB 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

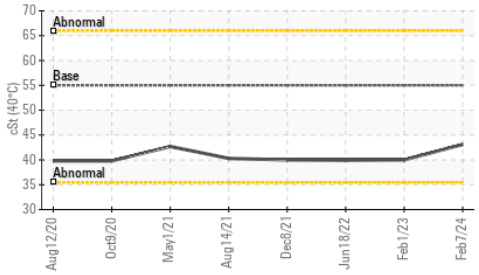
There is no indication of any contamination in the oil.

FLUID CONDITION

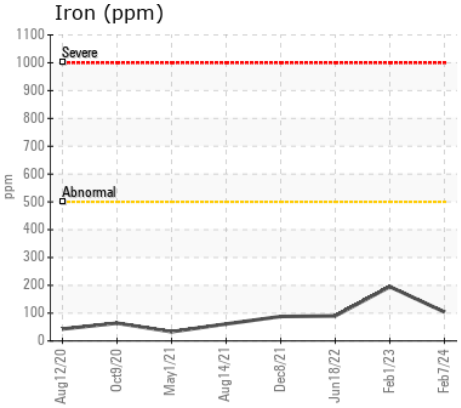
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP442819	VCP396102	VCP374134
Sample Date		Client Info		07 Feb 2024	01 Feb 2023	18 Jun 2022
Machine Age	hrs	Client Info		7046	6657	4250
Oil Age	hrs	Client Info		0	6657	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Not Changd
Filter Changed		Client Info		Not Changd	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>500	104	195	90
Chromium	ppm	ASTM D5185m	>20	2	7	4
Nickel	ppm	ASTM D5185m	>10	0	2	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	<1	<1	2
Lead	ppm	ASTM D5185m	>50	0	1	<1
Copper	ppm	ASTM D5185m	>120	4	11	8
Tin	ppm	ASTM D5185m	>20	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	15	16	18
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	MODER
Debris	scalar	*Visual	NONE	NONE	VLITE	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
Sodium	ppm	ASTM D5185m		3	10	9
Boron	ppm	ASTM D5185m		140	150	130
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	3	2
Manganese	ppm	ASTM D5185m		3	9	7
Magnesium	ppm	ASTM D5185m		17	22	16
Calcium	ppm	ASTM D5185m		3831	4332	3713
Phosphorus	ppm	ASTM D5185m		1287	1243	1382
Zinc	ppm	ASTM D5185m		1562	1746	1588
Sulfur	ppm	ASTM D5185m		3653	4318	4382
Visc @ 40°C	cSt	ASTM D445	55	43.1	40.0	39.9

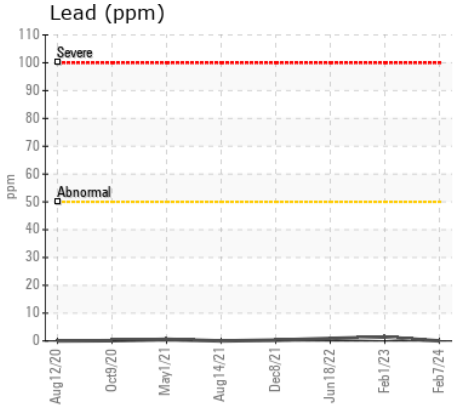
Viscosity @ 40°C



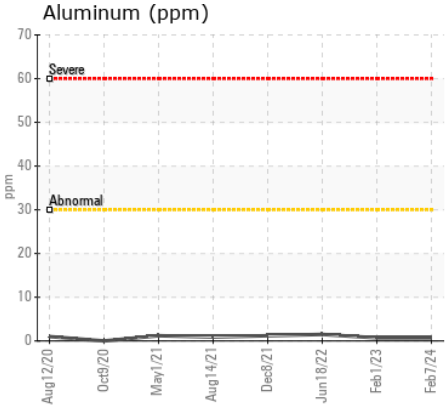
Iron (ppm)



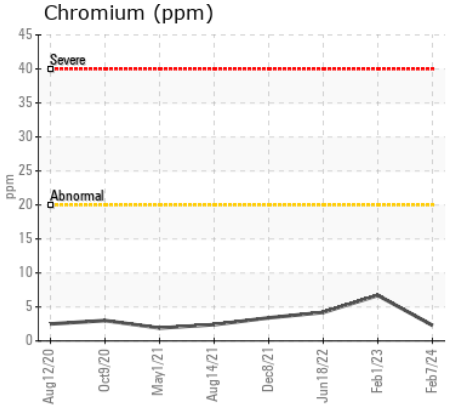
Lead (ppm)



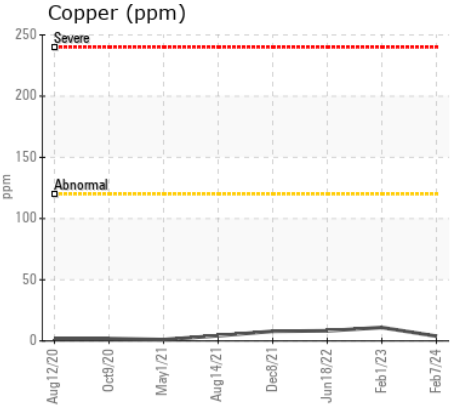
Aluminum (ppm)



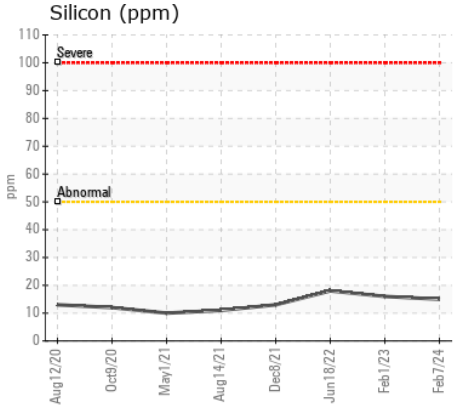
Chromium (ppm)



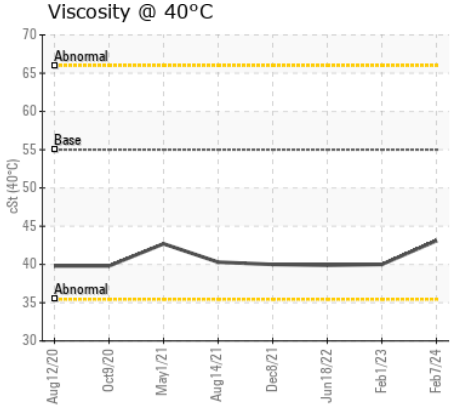
Copper (ppm)



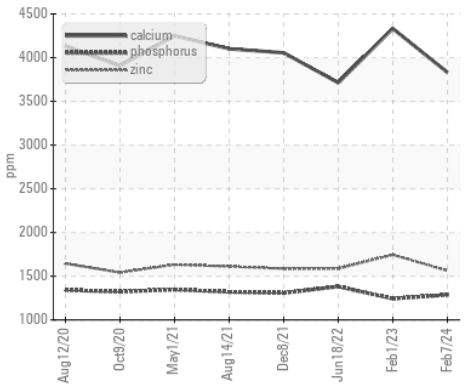
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP442819
Lab Number : 06086418
Unique Number : 10873863
Test Package : MOB 1

Received : 12 Feb 2024
Tested : 13 Feb 2024
Diagnosed : 13 Feb 2024 - Wes Davis

CALLANAN
RT 32 677 FLATBUSH RD
EAST KINGSTON, NY
US 12401
Contact:

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)

T:
F: