MOB I

VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[476876]
Machine Id
VOLVO L110H 631978
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

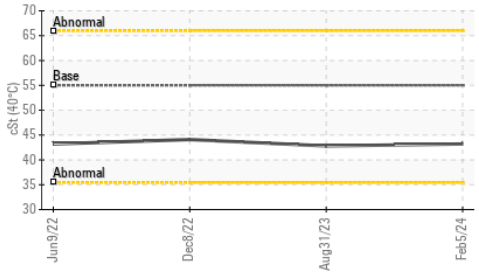
There is no indication of any contamination in the oil.

FLUID CONDITION

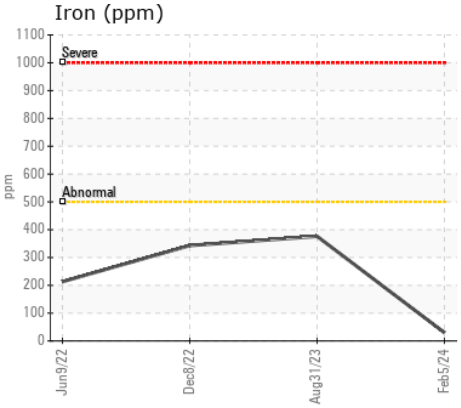
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**VCP454126**	VCP414722	VCP400232
Sample Date		Client Info		**05 Feb 2024**	31 Aug 2023	08 Dec 2022
Machine Age	hrs	Client Info		**5168**	4344	3188
Oil Age	hrs	Client Info		**0**	3000	500
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	Changed	Not Changd
Filter Changed		Client Info		**N/A**	Changed	Not Changd
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>500	**30**	376	343
Chromium	ppm	ASTM D5185m	>20	**<1**	5	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**	0	2
Lead	ppm	ASTM D5185m	>50	**0**	<1	<1
Copper	ppm	ASTM D5185m	>120	**0**	1	1
Tin	ppm	ASTM D5185m	>20	**<1**	0	<1
Vanadium	ppm	ASTM D5185m		**0**	0	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	**17**	30	27
Potassium	ppm	ASTM D5185m	>20	**0**	2	0
Water		WC Method	>0.2	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**LIGHT**	NONE	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		**0**	0	5
Boron	ppm	ASTM D5185m		**128**	116	139
Barium	ppm	ASTM D5185m		**<1**	1	0
Molybdenum	ppm	ASTM D5185m		**0**	16	12
Manganese	ppm	ASTM D5185m		**1**	15	10
Magnesium	ppm	ASTM D5185m		**15**	16	32
Calcium	ppm	ASTM D5185m		**3764**	3983	3914
Phosphorus	ppm	ASTM D5185m		**1313**	1246	1226
Zinc	ppm	ASTM D5185m		**1564**	1588	1520
Sulfur	ppm	ASTM D5185m		**3564**	4143	5953
Visc @ 40°C	cSt	ASTM D445	55	**43.2**	42.8	44.1

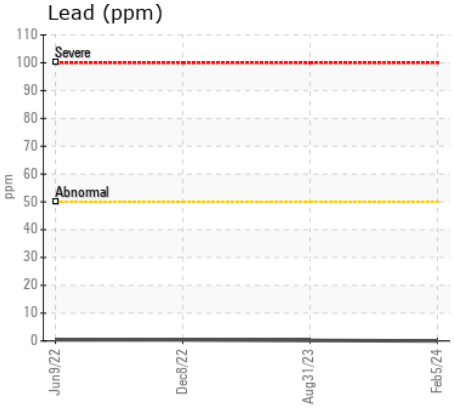
Viscosity @ 40°C



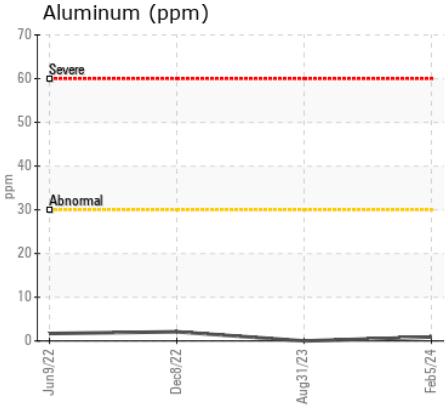
Iron (ppm)



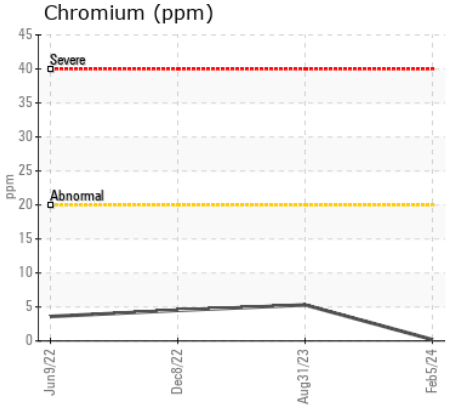
Lead (ppm)



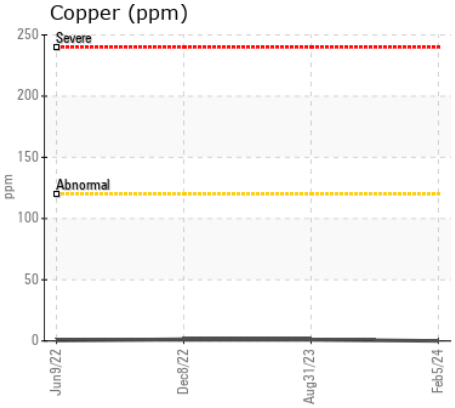
Aluminum (ppm)



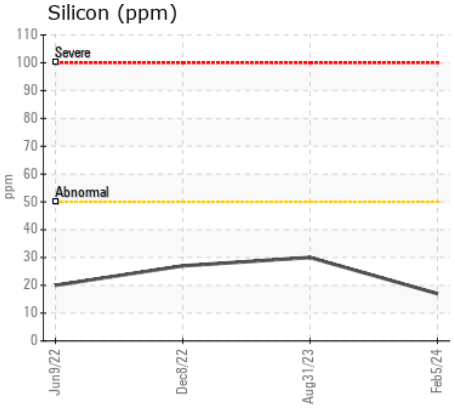
Chromium (ppm)



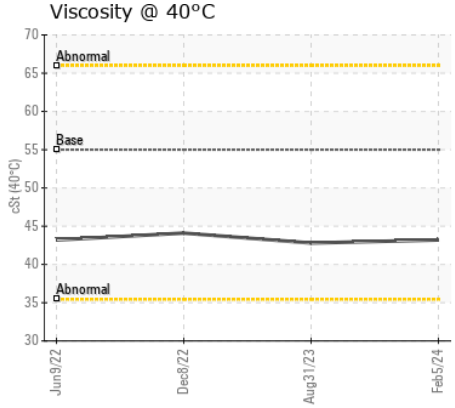
Copper (ppm)



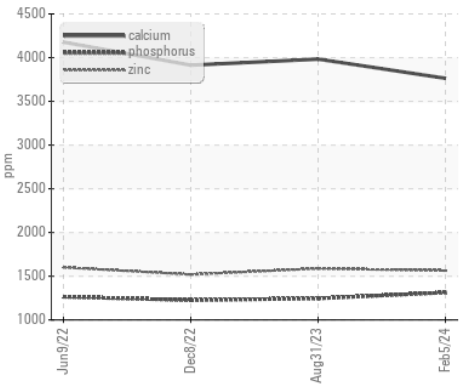
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP454126
Lab Number : 06083932
Unique Number : 10871377
Test Package : MOB 1

Received : 08 Feb 2024
Tested : 09 Feb 2024
Diagnosed : 09 Feb 2024 - Wes Davis

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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