MOB I

VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
[47096]
Machine Id
VOLVO L90H 624825
Component
Rear Axle
Fluid
VOLVO PREMIUM GEAR OIL 80W-90 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

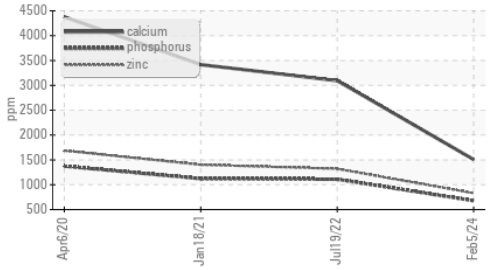
There is no indication of any contamination in the oil.

FLUID CONDITION

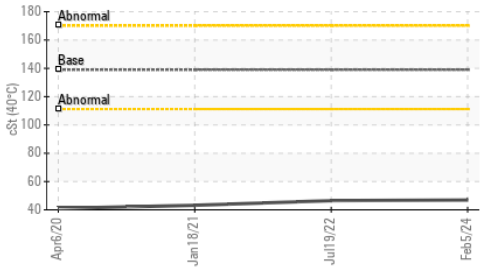
Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**VCP417896**	VCP371536	VCP277397
Sample Date		Client Info		**05 Feb 2024**	19 Jul 2022	18 Jan 2021
Machine Age	hrs	Client Info		**5467**	4166	2045
Oil Age	hrs	Client Info		**0**	0	0
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	Changed	Changed
Filter Changed		Client Info		**N/A**	Changed	Changed
Sample Status				**ATTENTION**	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>300	**18**	90	103
Chromium	ppm	ASTM D5185m	>10	**<1**	1	2
Nickel	ppm	ASTM D5185m	>4	**0**	<1	<1
Titanium	ppm	ASTM D5185m		**0**	<1	<1
Silver	ppm	ASTM D5185m		**0**	<1	0
Aluminum	ppm	ASTM D5185m	>15	**<1**	0	2
Lead	ppm	ASTM D5185m	>4	**<1**	2	2
Copper	ppm	ASTM D5185m	>200	**10**	68	23
Tin	ppm	ASTM D5185m	>15	**1**	7	0
Vanadium	ppm	ASTM D5185m		**0**	0	<1
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	**9**	16	16
Potassium	ppm	ASTM D5185m	>20	**0**	0	4
Water		WC Method	>0.2	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	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		**4**	9	7
Boron	ppm	ASTM D5185m	379	▲ **52**	114	98
Barium	ppm	ASTM D5185m	0.0	**0**	0	0
Molybdenum	ppm	ASTM D5185m	0.8	**6**	2	0
Manganese	ppm	ASTM D5185m	0.0	**<1**	1	3
Magnesium	ppm	ASTM D5185m	31	**28**	25	10
Calcium	ppm	ASTM D5185m	38	▲ **1508**	3094	3417
Phosphorus	ppm	ASTM D5185m	1077	▲ **677**	1110	1122
Zinc	ppm	ASTM D5185m	46	▲ **830**	1320	1402
Sulfur	ppm	ASTM D5185m	23526	▲ **2390**	4456	4414
Visc @ 40°C	cSt	ASTM D445	139	**46.9**	46.5	43.2

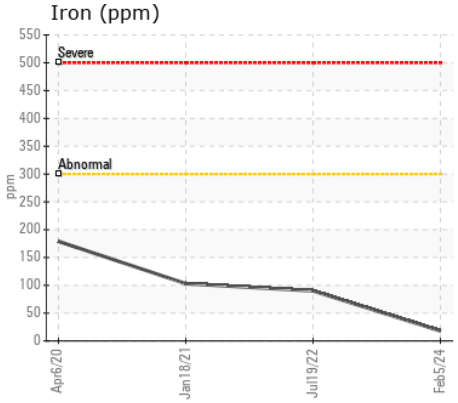
Additives



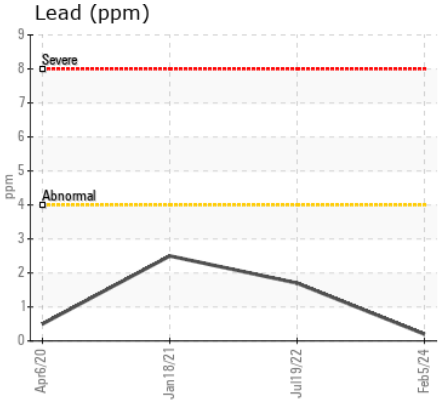
Viscosity @ 40°C



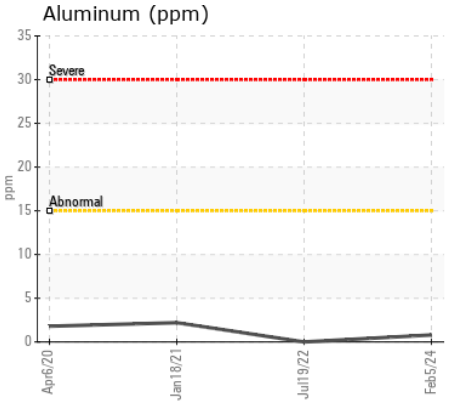
Iron (ppm)



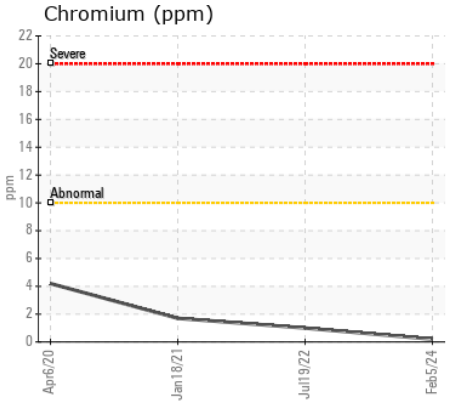
Lead (ppm)



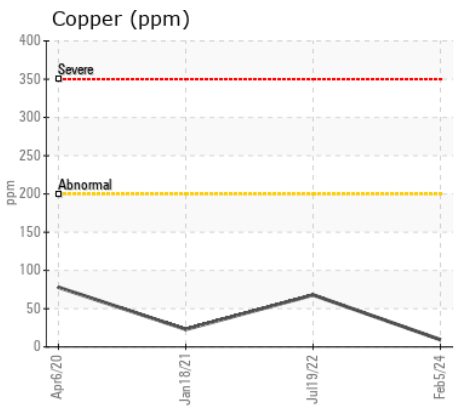
Aluminum (ppm)



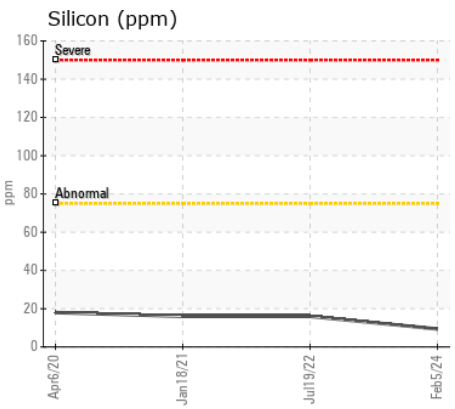
Chromium (ppm)



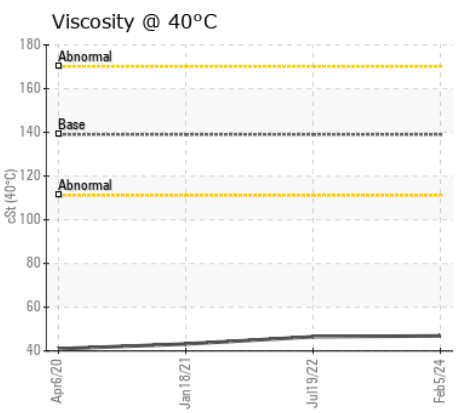
Copper (ppm)



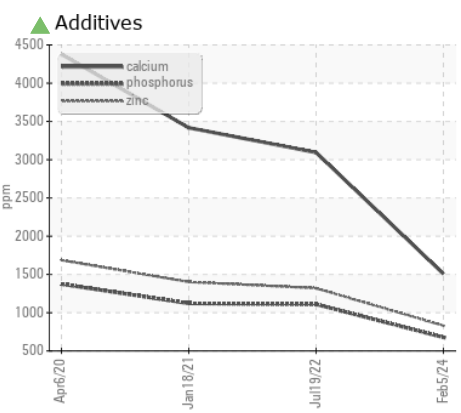
Silicon (ppm)



Viscosity @ 40°C



Additives



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP417896
Lab Number : 06087746
Unique Number : 10875191
Test Package : MOB 1

Received : 13 Feb 2024
Tested : 16 Feb 2024
Diagnosed : 16 Feb 2024 - Jonathan Hester

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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