



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[3598 BULK EXPRESS]
Machine Id
VOLVO L180H 5720
Component
Front Axle
Fluid
VOLVO WB 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		VCP441783	VCP432357	VCP434603
Sample Date		Client Info		07 Feb 2024	20 Dec 2023	07 Nov 2023
Machine Age	hrs	Client Info		2615	2139	1692
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	66	75	61
Chromium	ppm	ASTM D5185m	>20	2	3	2
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>30	1	2	2
Lead	ppm	ASTM D5185m	>50	0	0	1
Copper	ppm	ASTM D5185m	>120	5	6	4
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

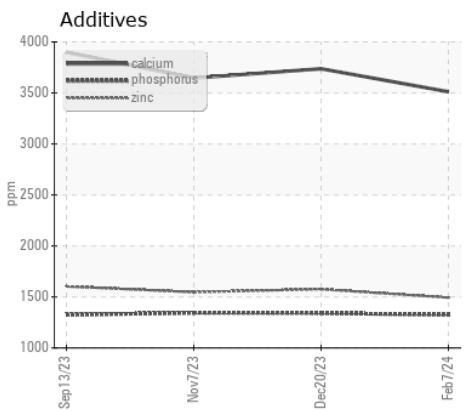
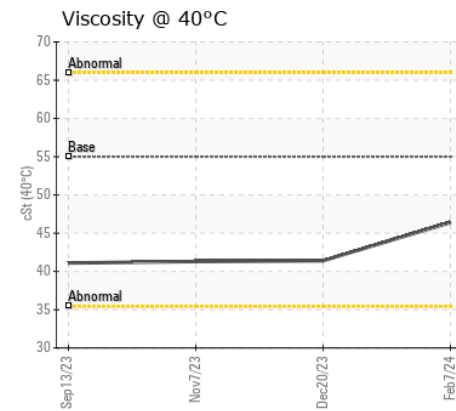
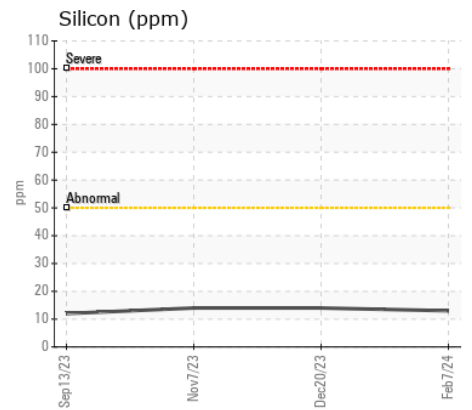
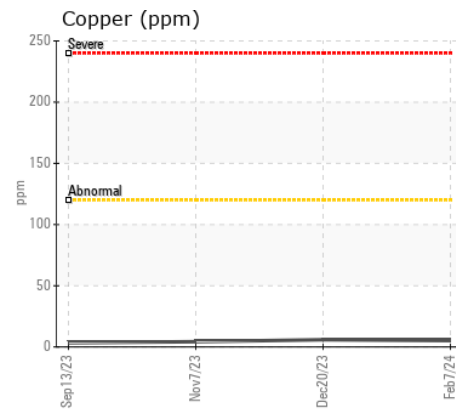
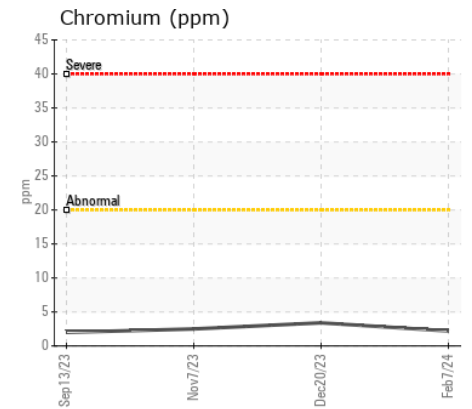
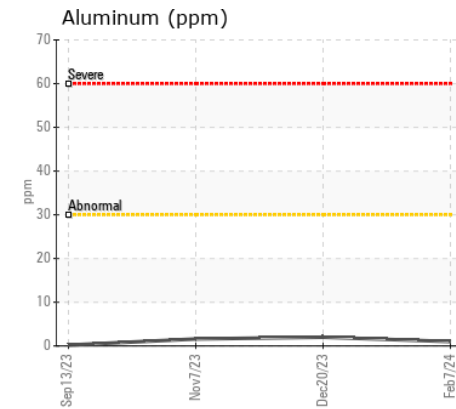
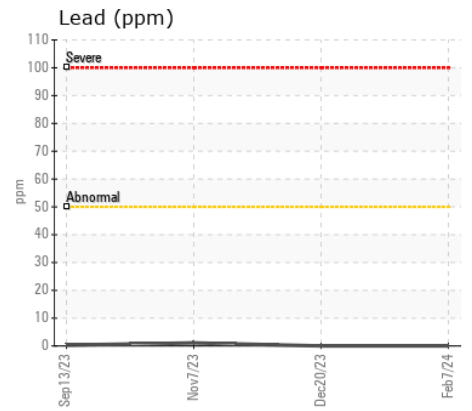
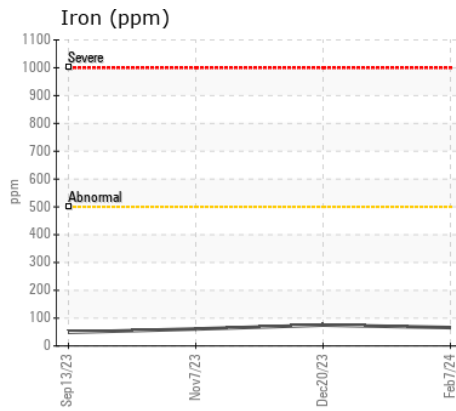
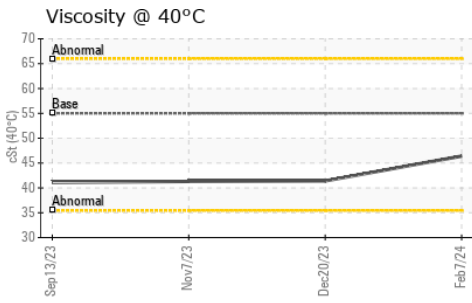
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	13	14	14
Potassium	ppm	ASTM D5185m	>20	0	5	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	<1	3
Boron	ppm	ASTM D5185m		128	128	127
Barium	ppm	ASTM D5185m		0	10	0
Molybdenum	ppm	ASTM D5185m		2	6	4
Manganese	ppm	ASTM D5185m		4	5	4
Magnesium	ppm	ASTM D5185m		11	11	12
Calcium	ppm	ASTM D5185m		3512	3737	3646
Phosphorus	ppm	ASTM D5185m		1325	1341	1344
Zinc	ppm	ASTM D5185m		1493	1576	1547
Sulfur	ppm	ASTM D5185m		3880	4532	3838
Visc @ 40°C	cSt	ASTM D445	55	46.4	41.4	41.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP441783
Lab Number : 06086406
Unique Number : 10873851
Test Package : MOB 1

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

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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)