



VOLVO

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[397277]
 Machine Id
16-8808
 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		VCP393126	VCP381783	VCP349649
Sample Date		Client Info		23 Mar 2024	13 Apr 2023	24 Jun 2022
Machine Age	hrs	Client Info		15000	13964	12100
Oil Age	hrs	Client Info		1000	0	2000
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	N/A	Changed
Filter Changed		Client Info		Not Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	32	40	77
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	2	1	<1
Lead	ppm	ASTM D5185(m)	>50	0	<1	2
Copper	ppm	ASTM D5185(m)	>120	3	6	22
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

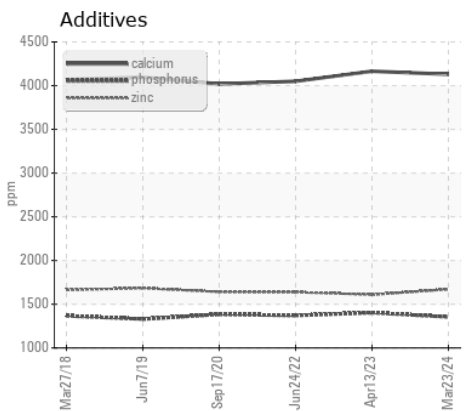
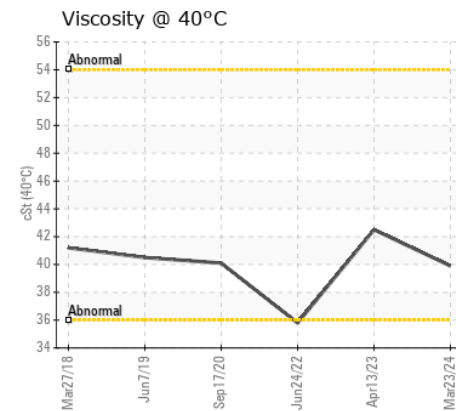
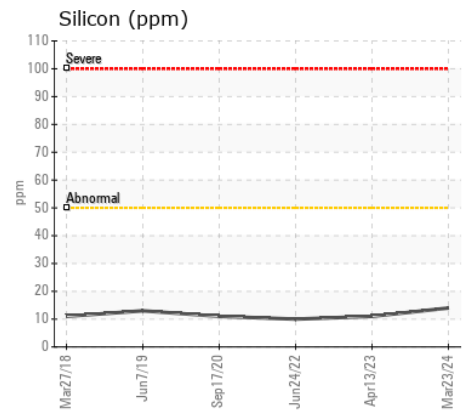
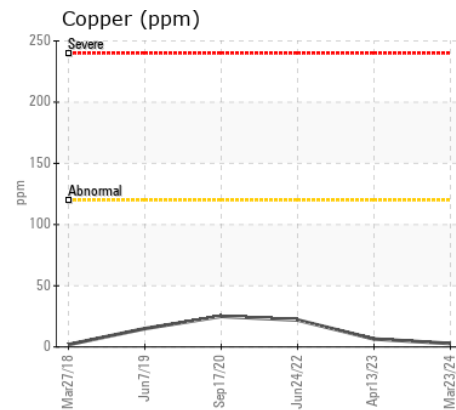
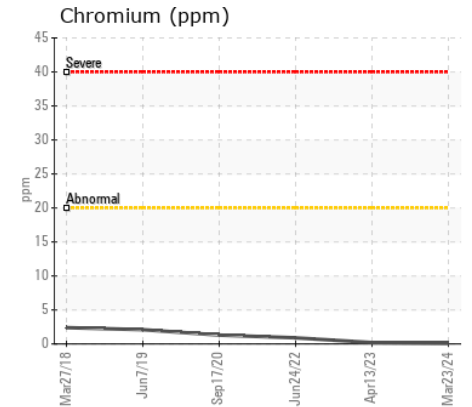
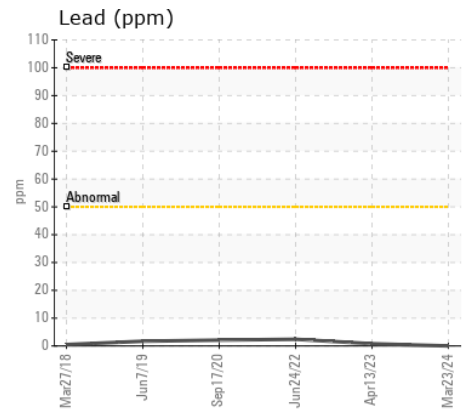
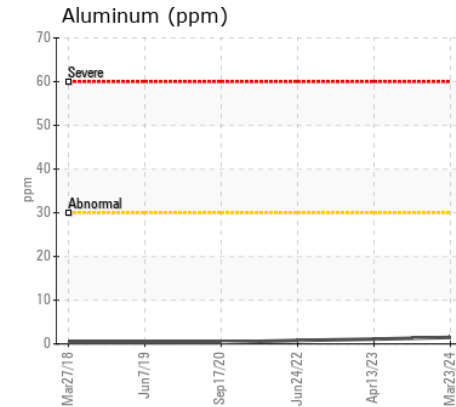
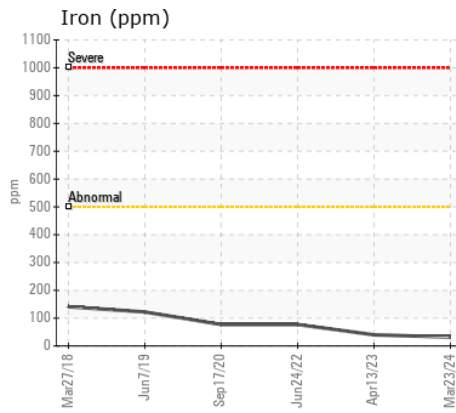
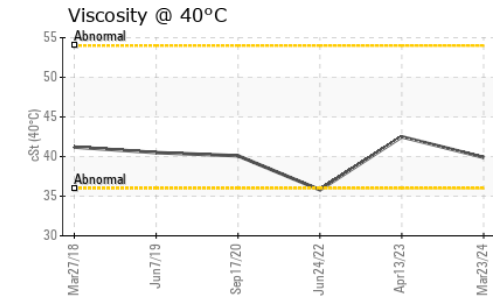
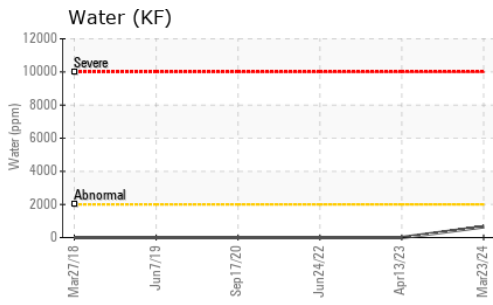
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	14	11	10
Potassium	ppm	ASTM D5185(m)	>20	10	<1	1
Water	%	ASTM D6304*	>0.2	0.065	---	---
ppm Water	ppm	ASTM D6304*	>2000	653	---	---
Silt	scalar	Visual*	NONE	NONE	VLITE	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	.2%	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	1	7
Boron	ppm	ASTM D5185(m)		124	112	112
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	<1	<1
Manganese	ppm	ASTM D5185(m)		<1	<1	1
Magnesium	ppm	ASTM D5185(m)		15	13	17
Calcium	ppm	ASTM D5185(m)		4130	4165	4050
Phosphorus	ppm	ASTM D5185(m)		1354	1403	1371
Zinc	ppm	ASTM D5185(m)		1671	1609	1638
Sulfur	ppm	ASTM D5185(m)		3321	3481	3383
Visc @ 40°C	cSt	ASTM D7279(m)		39.9	42.5	35.8



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP393126 **Received** : 10 Apr 2024
Lab Number : 02627986 **Tested** : 11 Apr 2024
Unique Number : 5761118 **Diagnosed** : 11 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KF)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

T:
F: