



CONSTRUCTION EQUIPMENT

A11313 VOLVO L110F 4840 - FRONT AXLE



Sample No: VCP430838
Oil Type: MOBIL WB 102
Job No: A11313



SAMPLE INFORMATION

Sample Number	VCP430838	VCP307358	VCP299978	VCP264934
Sample Date	18 Oct 2023	02 Jun 2021	13 Jan 2021	24 Jun 2020
Machine Hours	27975	26458	26099	25689
Oil Hours	2000	0	0	0
Oil Changed	Changed	Changed	Not Changd	N/A
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	41.3	40.6	40.3	40.8
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CONTAMINATION

Silicon	ppm	12	18	12	11
Sodium	ppm	7	2	6	6
Potassium	ppm	<1	2	7	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	13	44	12	6
Copper	ppm	0	<1	<1	0
Lead	ppm	<1	<1	2	0
Tin	ppm	<1	0	0	0
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	2	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3719	3755	4386	4107
Magnesium	ppm	20	17	19	18
Zinc	ppm	1613	1490	1698	1640
Phosphorus	ppm	1271	1227	1375	1348
Barium	ppm	0	0	0	0
Boron	ppm	128	324	126	125

Depot: COVBAl
Unique No: 10712215
Signed: Wes Davis
Report Date: 26 Oct 2023



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GRAPHS

