



CONSTRUCTION EQUIPMENT

658790 BULK VOLVO L150H 6770 - FRONT AXLE



Sample No: VCP437676
Oil Type: VOLVO WB 102
Job No: 658790 BULK



SAMPLE INFORMATION

Sample Number	VCP437676	VCP425720	VCP363291	VCP342380
Sample Date	03 Jan 2024	04 May 2023	25 Apr 2022	02 Nov 2021
Machine Hours	11384	10350	6636	5054
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	49.2	43.7	42.3	43.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	24	26	19	10
Sodium	ppm	0	5	7	4
Potassium	ppm	2	1	3	0

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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	890	703	134	48
Copper	ppm	5	3	3	2
Lead	ppm	<1	<1	2	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	2	2	1
Chromium	ppm	8	6	3	<1
Molybdenum	ppm	3	2	6	2
Nickel	ppm	5	4	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	9	8	2	<1
Vanadium	ppm	0	<1	0	0



ADDITIVES

Calcium	ppm	2722	3489	2298	3715
Magnesium	ppm	22	29	36	37
Zinc	ppm	1142	1422	992	1502
Phosphorus	ppm	936	1197	871	1257
Barium	ppm	7	0	0	0
Boron	ppm	76	94	73	122

Depot: VOLVO0096
Unique No: 10820325
Signed: Jonathan Hester
Report Date: 10 Jan 2024



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VOLVO GRAPHS

