



CONSTRUCTION EQUIPMENT

620884 VOLVO L90H 623580 - FRONT AXLE



Sample No: VCP432741
Oil Type: VOLVO WB 102
Job No: 620884



SAMPLE INFORMATION

Sample Number	VCP432741	VCP349485	VCP296553	VCP267063
Sample Date	17 Oct 2023	28 Jan 2022	30 Oct 2020	20 Feb 2020
Machine Hours	12999	10200	8650	7568
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.2	41.3	39.8	40.0
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CONTAMINATION

Silicon	ppm	10	11	12	13
Sodium	ppm	6	8	7	4
Potassium	ppm	3	0	4	0



WEAR METALS

Iron	ppm	36	19	16	25
Copper	ppm	1	<1	1	2
Lead	ppm	0	<1	0	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	2	1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	2	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	4137	4279	4209	4124
Magnesium	ppm	28	30	16	14
Zinc	ppm	1711	1631	1685	1668
Phosphorus	ppm	1332	1289	1346	1245
Barium	ppm	<1	0	<1	0
Boron	ppm	137	129	126	118

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.

Depot: VOLVO0096
Unique No: 10702390
Signed: Wes Davis
Report Date: 23 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

