



CONSTRUCTION EQUIPMENT

400616 WM VOLVO L90H 624438 - FRONT AXLE



Sample No: VCP432307
Oil Type: VOLVO WB 102
Job No: 400616 WM



SAMPLE INFORMATION

Sample Number	VCP432307	VCP434886	VCP417659	VCP422231
Sample Date	27 Oct 2023	01 Sep 2023	10 Jul 2023	16 May 2023
Machine Hours	12363	11842	11301	10627
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.0	43.1	43.1	42.8
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CONTAMINATION

Silicon	ppm	12	13	14	15
Sodium	ppm	0	0	2	1
Potassium	ppm	0	0	<1	<1

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	59	55	136	105
Copper	ppm	<1	<1	2	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	1
Aluminum	ppm	<1	0	2	2
Chromium	ppm	0	<1	2	2
Molybdenum	ppm	2	4	1	1
Nickel	ppm	0	0	1	2
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3584	3732	4305	4047
Magnesium	ppm	31	39	15	26
Zinc	ppm	1463	1497	1648	1685
Phosphorus	ppm	1098	1150	1323	1324
Barium	ppm	0	6	0	0
Boron	ppm	154	142	148	122

Depot: VOLVO0096
Unique No: 10725295
Signed: Sean Felton
Report Date: 03 Nov 2023



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GRAPHS

