



CONSTRUCTION EQUIPMENT

624438 WM VOLVO L90H 624438 - FRONT AXLE



Sample No: VCP431531
Oil Type: VOLVO WB 102
Job No: 624438 WM



SAMPLE INFORMATION

Sample Number	VCP431531	VCP432307	VCP434886	VCP417659
Sample Date	15 Dec 2023	27 Oct 2023	01 Sep 2023	10 Jul 2023
Machine Hours	12918	12363	11842	11301
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.9	43.0	43.1	43.1



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	13	12	13	14
Sodium	ppm	0	0	0	2
Potassium	ppm	0	0	0	<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	72	59	55	136
Copper	ppm	3	<1	<1	2
Lead	ppm	1	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	0	2
Chromium	ppm	1	0	<1	2
Molybdenum	ppm	4	2	4	1
Nickel	ppm	<1	0	0	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3458	3584	3732	4305
Magnesium	ppm	17	31	39	15
Zinc	ppm	1439	1463	1497	1648
Phosphorus	ppm	1132	1098	1150	1323
Barium	ppm	0	0	6	0
Boron	ppm	136	154	142	148

Depot: VOLVO0096
Unique No: 10796057
Signed: Wes Davis
Report Date: 21 Dec 2023



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GRAPHS

