



CONSTRUCTION EQUIPMENT

624438 WM VOLVO L90H 624438 - REAR AXLE



Sample No: VCP431529
Oil Type: VOLVO WB 102
Job No: 624438 WM



SAMPLE INFORMATION

Sample Number	VCP431529	VCP432310	VCP434901	VCP417667
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	43.4	43.3	43.2	43.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	11	13	15
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	90	61	81	196
Copper	ppm	4	2	2	6
Lead	ppm	1	0	0	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	0	2
Chromium	ppm	<1	0	<1	1
Molybdenum	ppm	5	3	5	3
Nickel	ppm	1	0	<1	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	3474	3587	3726	4413
Magnesium	ppm	18	31	41	16
Zinc	ppm	1442	1472	1496	1690
Phosphorus	ppm	1100	1091	1156	1372
Barium	ppm	0	0	7	0
Boron	ppm	134	149	139	155

Depot: VOLVO0096
Unique No: 10796058
Signed: Wes Davis
Report Date: 21 Dec 2023



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GRAPHS

