



CONSTRUCTION EQUIPMENT

546761 WM VOLVO L90H 624438 - REAR AXLE



Sample No: VCP451274
Oil Type: VOLVO WB 102
Job No: 546761 WM



SAMPLE INFORMATION

Sample Number	VCP451274	VCP437653	VCP431529	VCP432310
Sample Date	26 Apr 2024	26 Jan 2024	15 Dec 2023	27 Oct 2023
Machine Hours	13898	13382	12918	12363
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	43.9	48.9	43.4	43.3
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	15	10	12	11
Sodium	ppm	0	0	0	0
Potassium	ppm	2	1	0	0

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	81	33	90	61
Copper	ppm	4	1	4	2
Lead	ppm	<1	0	1	0
Tin	ppm	1	0	0	0
Aluminum	ppm	2	2	1	<1
Chromium	ppm	1	<1	<1	0
Molybdenum	ppm	6	4	5	3
Nickel	ppm	2	<1	1	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	<1	<1	<1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	3841	3652	3474	3587
Magnesium	ppm	42	39	18	31
Zinc	ppm	1545	1553	1442	1472
Phosphorus	ppm	1234	1219	1100	1091
Barium	ppm	0	<1	0	0
Boron	ppm	140	124	134	149

Depot: VOLVO0096
Unique No: 11019017
Signed: Wes Davis
Report Date: 09 May 2024



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GRAPHS

