



CONSTRUCTION EQUIPMENT

4870 IAA VOLVO L90H 623880 - REAR AXLE



Sample No: VCP438985
Oil Type: VOLVO WB 102
Job No: 4870 IAA



SAMPLE INFORMATION

Sample Number	VCP438985	VCP422234	VCP355232	VCP342269
Sample Date	04 Jan 2024	11 May 2023	01 Jul 2022	04 Feb 2022
Machine Hours	8022	7479	6400	5935
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.5	41.8	43.2	43.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	18	14	13	13
Sodium	ppm	0	2	12	11
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	86	55	161	145
Copper	ppm	5	4	7	6
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	2	<1	2	2
Chromium	ppm	1	<1	2	2
Molybdenum	ppm	<1	<1	1	1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4033	3462	4063	4149
Magnesium	ppm	17	13	26	27
Zinc	ppm	1661	1501	1554	1589
Phosphorus	ppm	1281	1183	1300	1378
Barium	ppm	2	0	0	0
Boron	ppm	152	114	137	132

Depot: VOLVO0096
Unique No: 10831001
Signed: Wes Davis
Report Date: 14 Jan 2024



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GRAPHS

