



CONSTRUCTION EQUIPMENT

W14863 VOLVO L110H 631654 - REAR AXLE



Sample No: VCP441696
Oil Type: VOLVO WB 102
Job No: W14863



SAMPLE INFORMATION

Sample Number	VCP441696	VCP398341	VCP295090	VCP333322
Sample Date	25 Oct 2023	12 Dec 2022	24 May 2022	11 Jan 2022
Machine Hours	6983	6493	6013	5519
Oil Hours	0	500	2000	500
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.0	42.3	41.1	41.4
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CONTAMINATION

Silicon	ppm	13	15	8	26
Sodium	ppm	9	6	5	8
Potassium	ppm	<1	2	2	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	64	67	76	179
Copper	ppm	<1	<1	<1	<1
Lead	ppm	1	0	<1	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	1	2	1	3
Chromium	ppm	1	<1	<1	2
Molybdenum	ppm	4	6	5	10
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	2	1	1	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3450	3816	2729	3543
Magnesium	ppm	44	26	21	33
Zinc	ppm	1481	1456	1330	1454
Phosphorus	ppm	1273	1227	1235	1214
Barium	ppm	0	0	0	0
Boron	ppm	106	114	103	128

Depot: VOLVO0080
Unique No: 10723063
Signed: Wes Davis
Report Date: 01 Nov 2023



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GRAPHS

