



CONSTRUCTION EQUIPMENT

W14863 VOLVO L110H 631654 - FRONT AXLE



Sample No: VCP441695
Oil Type: VOLVO WB 102
Job No: W14863



SAMPLE INFORMATION

Sample Number	VCP441695	VCP398345	VCP295094	VCP333336
Sample Date	25 Oct 2023	12 Dec 2022	24 May 2022	11 Jan 2022
Machine Hours	6983	6493	6013	5519
Oil Hours	1000	500	2000	500
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	42.2	42.0	40.7	41.0
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CONTAMINATION

Silicon	ppm	13	15	8	13
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	65	63	43	87
Copper	ppm	<1	<1	<1	<1
Lead	ppm	1	0	<1	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	1	2	<1	1
Chromium	ppm	1	1	<1	2
Molybdenum	ppm	4	5	6	7
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	0	<1
Silver	ppm	0	<1	0	0
Manganese	ppm	2	2	1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3486	3979	3216	3620
Magnesium	ppm	43	28	24	31
Zinc	ppm	1482	1541	1477	1506
Phosphorus	ppm	1273	1257	1268	1238
Barium	ppm	0	0	0	0
Boron	ppm	105	125	126	125

Depot: VOLVO0080
Unique No: 10723062
Signed: Wes Davis
Report Date: 01 Nov 2023



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GRAPHS

