



CONSTRUCTION EQUIPMENT

619601 VOLVO L110H 631289 - REAR AXLE



Sample No: VCP429904
Oil Type: VOLVO WB 102
Job No: 619601



SAMPLE INFORMATION

Sample Number	VCP429904	VCP354573	VCP310137	VCP293321
Sample Date	06 Oct 2023	14 Jun 2022	30 Jun 2021	27 Oct 2020
Machine Hours	8187	6226	5184	4065
Oil Hours	2000	2000	1000	2000
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: PM Services
PMServices@ripaconstruction.com
T:
F:



OIL CONDITION

Visc @ 40°C	cSt	43.0	42.1	51.5	42.6
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CONTAMINATION

Silicon	ppm	19	13	21	10
Sodium	ppm	4	9	6	5
Potassium	ppm	2	0	1	0



WEAR METALS

Iron	ppm	42	50	70	53
Copper	ppm	0	<1	<1	1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	1	0	0
Chromium	ppm	<1	1	1	1
Molybdenum	ppm	8	5	4	3
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	2	2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3934	3838	3890	4101
Magnesium	ppm	33	24	20	16
Zinc	ppm	1687	1480	1403	1536
Phosphorus	ppm	1381	1230	1279	1402
Barium	ppm	0	0	0	0
Boron	ppm	145	136	152	139

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.

Depot: RIPTAM
Unique No: 10742440
Signed: Wes Davis
Report Date: 16 Nov 2023



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GRAPHS

