



CONSTRUCTION EQUIPMENT

619601 VOLVO L110H 631289 - FRONT AXLE



Sample No: VCP431763
Oil Type: VOLVO WB 102
Job No: 619601



SAMPLE INFORMATION

Sample Number	VCP431763	VCP315691	VCP315690	VCP286004
Sample Date	06 Oct 2023	14 Jun 2022	30 Jun 2021	27 Oct 2020
Machine Hours	8187	6226	5184	4065
Oil Hours	2000	2000	1184	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	43.1	41.4	41.4	42.5
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CONTAMINATION

Silicon	ppm	18	12	11	10
Sodium	ppm	3	8	6	5
Potassium	ppm	2	0	1	0



WEAR METALS

Iron	ppm	53	71	49	85
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	0	0	<1
Tin	ppm	<1	<1	0	<1
Aluminum	ppm	1	1	0	0
Chromium	ppm	<1	2	1	2
Molybdenum	ppm	8	4	4	2
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	2	2	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3967	3700	3840	4017
Magnesium	ppm	34	22	21	16
Zinc	ppm	1707	1437	1390	1508
Phosphorus	ppm	1382	1195	1270	1374
Barium	ppm	0	0	0	0
Boron	ppm	146	130	149	138

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: 10742455
Signed: Wes Davis
Report Date: 16 Nov 2023



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GRAPHS

