



CONSTRUCTION EQUIPMENT

580404 VOLVO L110H 631298 - REAR AXLE



Sample No: VCP393722
Oil Type: VOLVO WB 102
Job No: 580404



SAMPLE INFORMATION

Sample Number	VCP393722	VCP398968	VCP377763	VCP310046
Sample Date	18 Jul 2023	16 Dec 2022	02 Jun 2022	13 Jul 2021
Machine Hours	8405	7287	6331	5404
Oil Hours	2000	1000	2000	1404
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
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F:



OIL CONDITION

Visc @ 40°C	cSt	41.3	42.8	41.0	42.1
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CONTAMINATION

Silicon	ppm	16	13	13	10
Sodium	ppm	4	2	9	8
Potassium	ppm	1	2	0	0



WEAR METALS

Iron	ppm	50	35	59	41
Copper	ppm	<1	0	<1	0
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	2	0	1	<1
Chromium	ppm	1	<1	1	1
Molybdenum	ppm	2	1	7	6
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3896	3984	3752	3551
Magnesium	ppm	16	16	28	22
Zinc	ppm	1561	1553	1447	1433
Phosphorus	ppm	1265	1254	1202	1122
Barium	ppm	1	1	0	0
Boron	ppm	146	123	131	129

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: 10602493
Signed: Wes Davis
Report Date: 13 Aug 2023



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GRAPHS

