



CONSTRUCTION EQUIPMENT

606042 VOLVO L110H 631332 - REAR AXLE



Sample No: VCP414734
Oil Type: VOLVO WB 102
Job No: 606042



SAMPLE INFORMATION

Sample Number	VCP414734	VCP393619	VCP376649	VCP320482
Sample Date	06 Sep 2023	01 Dec 2022	26 Jul 2022	24 Aug 2021
Machine Hours	9270	8127	7686	6696
Oil Hours	2270	2000	1600	1500
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	ABNORMAL	NORMAL	NORMAL	ABNORMAL

RIPA AND ASSOCIATES

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



OIL CONDITION

Visc @ 40°C	cSt	41.6	40.3	39.8	40.4
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CONTAMINATION

Silicon	ppm	28	11	12	10
Sodium	ppm	0	4	5	5
Potassium	ppm	0	1	2	<1



WEAR METALS

Iron	ppm	44	77	96	48
Copper	ppm	0	0	<1	0
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	9	0	1	0
Chromium	ppm	<1	<1	1	<1
Molybdenum	ppm	0	<1	2	1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	1	2	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3566	4146	4008	3921
Magnesium	ppm	14	25	21	23
Zinc	ppm	1515	1664	1663	1501
Phosphorus	ppm	1257	1304	1333	1227
Barium	ppm	0	1	0	0
Boron	ppm	57	131	122	134

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: RIPTAM
Unique No: 10689317
Signed: Don Baldrige
Report Date: 16 Oct 2023



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GRAPHS

