



CONSTRUCTION EQUIPMENT

554641 VOLVO L110H 631294 - REAR AXLE



Sample No: VCP424536
Oil Type: VOLVO WB 102
Job No: 554641



SAMPLE INFORMATION

Sample Number	VCP424536	VCP386640	VCP363450	VCP297927
Sample Date	30 May 2023	22 Nov 2022	03 May 2022	20 Aug 2021
Machine Hours	10414	9308	8089	6543
Oil Hours	2000	500	1000	2000
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rturner@ripatampa.com
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OIL CONDITION

Visc @ 40°C	cSt	41.9	42.4	42.4	42.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	15	14	15	11
Sodium	ppm	4	9	11	7
Potassium	ppm	3	<1	0	<1

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	41	30	47	25
Copper	ppm	<1	<1	1	0
Lead	ppm	0	<1	<1	0
Tin	ppm	0	<1	<1	0
Aluminum	ppm	<1	2	2	0
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	3	3	10
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3906	3661	3733	3804
Magnesium	ppm	25	28	26	39
Zinc	ppm	1535	1497	1425	1453
Phosphorus	ppm	1259	1175	1230	1211
Barium	ppm	0	0	0	0
Boron	ppm	134	119	131	133

Depot: RIPTAM
Unique No: 10526225
Signed: Wes Davis
Report Date: 24 Jun 2023



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VOLVO GRAPHS

