



CONSTRUCTION EQUIPMENT

VOLVO L110H 631294 - REAR AXLE



Sample No: VCP451150
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP451150	VCP424536	VCP386640	VCP363450
Sample Date	01 May 2024	30 May 2023	22 Nov 2022	03 May 2022
Machine Hours	11432	10414	9308	8089
Oil Hours	0	2000	500	1000
Oil Changed	Not Chngd	Changed	Not Chngd	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	43.8	41.9	42.4	42.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	15	15	14	15
Sodium	ppm	2	4	9	11
Potassium	ppm	2	3	<1	0

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	27	41	30	47
Copper	ppm	0	<1	<1	1
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	1	<1	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	3	3	3
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	4182	3906	3661	3733
Magnesium	ppm	20	25	28	26
Zinc	ppm	1737	1535	1497	1425
Phosphorus	ppm	1379	1259	1175	1230
Barium	ppm	0	0	0	0
Boron	ppm	130	134	119	131

Depot: RIPTAM
Unique No: 11057886
Signed: Wes Davis
Report Date: 31 May 2024



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GRAPHS

