



CONSTRUCTION EQUIPMENT

476876 VOLVO L110H 631978 - FRONT AXLE



Sample No: VCP454126
Oil Type: VOLVO WB 102
Job No: 476876



SAMPLE INFORMATION

Sample Number	VCP454126	VCP414722	VCP400232	VCP375967
Sample Date	05 Feb 2024	31 Aug 2023	08 Dec 2022	09 Jun 2022
Machine Hours	5168	4344	3188	2197
Oil Hours	0	3000	500	1500
Oil Changed	N/A	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	43.2	42.8	44.1	43.2
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	30	27	20
Sodium	ppm	0	0	5	9
Potassium	ppm	0	2	0	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	30	376	343	213
Copper	ppm	0	1	1	<1
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	0	<1	1
Aluminum	ppm	<1	0	2	2
Chromium	ppm	<1	5	4	4
Molybdenum	ppm	0	16	12	4
Nickel	ppm	0	2	1	1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	1	15	10	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3764	3983	3914	4177
Magnesium	ppm	15	16	32	13
Zinc	ppm	1564	1588	1520	1601
Phosphorus	ppm	1313	1246	1226	1265
Barium	ppm	<1	1	0	0
Boron	ppm	128	116	139	160

Depot: RIPTAM
Unique No: 10871377
Signed: Wes Davis
Report Date: 09 Feb 2024



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GRAPHS

