



CONSTRUCTION EQUIPMENT

716513 VOLVO L110H 631235 - FRONT AXLE



Sample No: VCP439661
Oil Type: VOLVO WB 102
Job No: 716513



SAMPLE INFORMATION

Sample Number	VCP439661	VCP399679	VCP359412	VCP326064
Sample Date	21 May 2024	03 Jan 2023	22 Apr 2022	13 Sep 2021
Machine Hours	12318	9673	8372	7033
Oil Hours	2000	1500	2000	1500
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: PM Services
 PMServices@ripaconstruction.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	48.5	40.1	41.2	41.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	16	13	13	11
Sodium	ppm	2	9	9	10
Potassium	ppm	2	0	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	101	223	90	48
Copper	ppm	<1	4	2	<1
Lead	ppm	<1	2	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	<1	1	1
Chromium	ppm	2	4	2	<1
Molybdenum	ppm	2	8	7	7
Nickel	ppm	<1	2	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	1	8	2	<1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	3680	3725	3777	3837
Magnesium	ppm	20	15	44	43
Zinc	ppm	1442	1540	1405	1566
Phosphorus	ppm	1233	1227	1216	1269
Barium	ppm	<1	0	0	0
Boron	ppm	150	120	133	138

Depot: RIPTAM
Unique No: 11087984
Signed: Wes Davis
Report Date: 20 Jun 2024



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VOLVO GRAPHS

