



CONSTRUCTION EQUIPMENT

VOLVO L110H 631231 - FRONT AXLE



Sample No: VCP432009
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP432009	VCP435650	VCP420256	VCP376225
Sample Date	20 Feb 2024	08 Nov 2023	28 Apr 2023	15 Sep 2022
Machine Hours	12827	12029	10851	9792
Oil Hours	0	0	2000	1700
Oil Changed	N/A	Not Changd	Changed	N/A
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	41.5	43.08	43.5	43.9
-------------	-----	-------------	-------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	14	12	17	16
Sodium	ppm	1	3	5	7
Potassium	ppm	<1	0	2	<1

Diagnosis

Resample at the next service interval to monitor. NOTE: one of two samples received with same ID and sampling date. 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	57	24	125	118
Copper	ppm	0	<1	0	1
Lead	ppm	2	0	0	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	<1	2	4
Chromium	ppm	0	0	2	2
Molybdenum	ppm	<1	<1	2	2
Nickel	ppm	0	0	1	1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	4	3
Vanadium	ppm	0	0	0	1



ADDITIVES

Calcium	ppm	4622	4060	4103	3931
Magnesium	ppm	25	21	14	14
Zinc	ppm	1972	1550	1629	1532
Phosphorus	ppm	1558	1246	1280	1262
Barium	ppm	0	0	0	0
Boron	ppm	137	132	141	119

Depot: RIPTAM
Unique No: 10900828
Signed: Don Baldrige
Report Date: 29 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

