



CONSTRUCTION EQUIPMENT

VOLVO L110H 631294 - FRONT AXLE



Sample No: VCP444695
Oil Type: VOLVO WB 102
Job No:



SAMPLE INFORMATION

Sample Number	VCP444695	VCP425842	VCP386255	VCP359395
Sample Date	01 Mar 2024	30 May 2023	22 Nov 2022	03 May 2022
Machine Hours	11932	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	41.8	42.4	42.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	16	15	15
Sodium	ppm	<1	4	9	9
Potassium	ppm	0	2	<1	<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	27	80	53	34
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	0	1	1	<1
Molybdenum	ppm	<1	4	3	3
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	2
Manganese	ppm	<1	2	1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3886	3893	3721	4014
Magnesium	ppm	13	25	28	31
Zinc	ppm	1588	1560	1541	1626
Phosphorus	ppm	1310	1258	1185	1346
Barium	ppm	0	0	0	0
Boron	ppm	151	135	119	125

Depot: RIPTAM
Unique No: 11044764
Signed: Wes Davis
Report Date: 24 May 2024



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VOLVO GRAPHS

