



CONSTRUCTION EQUIPMENT

687744 VOLVO L110H 631322 - REAR AXLE



Sample No: VCP444178
Oil Type: VOLVO WB 102
Job No: 687744



SAMPLE INFORMATION

Sample Number	VCP444178	VCP396887	VCP385863	VCP357449
Sample Date	16 Mar 2024	01 Aug 2023	30 Sep 2022	25 Mar 2022
Machine Hours	11137	9947	8782	7920
Oil Hours	3137	2000	2000	2000
Oil Changed	Not Chngd	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
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OIL CONDITION

Visc @ 40°C	cSt	59.9	43.2	40.0	40.0
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	12	13	13
Sodium	ppm	<1	0	4	7
Potassium	ppm	0	<1	2	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	15	18	125	109
Copper	ppm	0	<1	3	3
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	2	1	1
Chromium	ppm	0	<1	2	2
Molybdenum	ppm	3	7	2	3
Nickel	ppm	0	<1	0	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	3	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	1072	3948	4063	4076
Magnesium	ppm	17	32	17	24
Zinc	ppm	757	1577	1654	1654
Phosphorus	ppm	611	1287	1317	1381
Barium	ppm	0	1	1	0
Boron	ppm	33	154	128	123

Depot: RIPTAM
Unique No: 10976334
Signed: Don Baldrige
Report Date: 15 Apr 2024

VOLVO **GRAPHS**

