



CONSTRUCTION EQUIPMENT

580221 VOLVO L110H 631108 - REAR AXLE



Sample No: VCP425796
Oil Type: VOLVO WB 102
Job No: 580221



SAMPLE INFORMATION

Sample Number	VCP425796	VCP385272	VCP317054	VCP293548
Sample Date	20 Jul 2023	27 Oct 2022	29 Jun 2021	14 Dec 2020
Machine Hours	12148	11060	9223	7981
Oil Hours	4000	1000	1000	2000
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rturner@ripatampa.com

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OIL CONDITION

Visc @ 40°C	cSt	42.6	42.3	43.0	39.9
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CONTAMINATION

Silicon	ppm	18	16	10	9
Sodium	ppm	1	3	7	3
Potassium	ppm	2	0	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	36	23	15	16
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	1	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	2	<1
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	4048	4136	3810	4168
Magnesium	ppm	17	18	19	23
Zinc	ppm	1609	1529	1381	1554
Phosphorus	ppm	1315	1251	1241	1322
Barium	ppm	1	0	0	0
Boron	ppm	154	158	146	131

Depot: RIPTAM
Unique No: 10602477
Signed: Wes Davis
Report Date: 12 Aug 2023



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VOLVO GRAPHS

