



CONSTRUCTION EQUIPMENT

SPM633222 VOLVO L220H 12011 - REAR AXLE



Sample No: VCP430845
Oil Type: VOLVO WB 102
Job No: SPM633222



SAMPLE INFORMATION

Sample Number	VCP430845	VCP386452	VCP291777	VCP313118
Sample Date	22 Nov 2023	07 Oct 2022	25 Sep 2021	26 Jun 2021
Machine Hours	21516	19623	18543	18125
Oil Hours	0	0	0	0
Oil Changed	Not Changd	N/A	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	41.9	42.6	41.8	41.4
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	12	16	7	10
Sodium	ppm	3	5	0	0
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	85	28	63	49
Copper	ppm	4	2	13	13
Lead	ppm	0	3	<1	<1
Tin	ppm	0	1	0	0
Aluminum	ppm	<1	0	0	0
Chromium	ppm	<1	2	<1	<1
Molybdenum	ppm	<1	2	2	2
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	1	1	1
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	3	<1	<1
Vanadium	ppm	0	1	<1	<1



ADDITIVES

Calcium	ppm	3932	4126	2627	2775
Magnesium	ppm	14	17	12	11
Zinc	ppm	1530	1655	1156	1137
Phosphorus	ppm	1173	1237	1028	1071
Barium	ppm	0	0	0	0
Boron	ppm	129	138	74	150

Depot: VOLVO0142
Unique No: 10768664
Signed: Wes Davis
Report Date: 05 Dec 2023



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GRAPHS

