



CONSTRUCTION EQUIPMENT

SWA510210 VOLVO L220H 12011 - REAR AXLE



Sample No: VCP370396
Oil Type: VOLVO WB 102
Job No: SWA510210



SAMPLE INFORMATION

Sample Number	VCP370396	VCP430845	VCP386452	VCP291777
Sample Date	20 Mar 2024	22 Nov 2023	07 Oct 2022	25 Sep 2021
Machine Hours	21938	21516	19623	18543
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	N/A	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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	43.6	41.9	42.6	41.8
-------------	-----	-------------	------	------	------



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	12	16	7
Sodium	ppm	0	3	5	0
Potassium	ppm	3	0	2	<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	59	85	28	63
Copper	ppm	5	4	2	13
Lead	ppm	1	0	3	<1
Tin	ppm	<1	0	1	0
Aluminum	ppm	3	<1	0	0
Chromium	ppm	<1	<1	2	<1
Molybdenum	ppm	1	<1	2	2
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	1	1
Silver	ppm	0	0	<1	0
Manganese	ppm	1	<1	3	<1
Vanadium	ppm	<1	0	1	<1



ADDITIVES

Calcium	ppm	3883	3932	4126	2627
Magnesium	ppm	11	14	17	12
Zinc	ppm	1571	1530	1655	1156
Phosphorus	ppm	1420	1173	1237	1028
Barium	ppm	1	0	0	0
Boron	ppm	137	129	138	74

Depot: VOLV00142
Unique No: 10942421
Signed: Wes Davis
Report Date: 26 Mar 2024



CONSTRUCTION EQUIPMENT



GRAPHS

