



CONSTRUCTION EQUIPMENT

SWA329757-20 VOLVO L220H 2823 - FRONT AXLE



Sample No: VCP424074
Oil Type: VOLVO WB 102
Job No: SWA329757-20



SAMPLE INFORMATION

Sample Number	VCP424074	VCP364973	VCP332071	VCP306377
Sample Date	09 Sep 2023	16 Sep 2022	02 Feb 2022	05 Aug 2021
Machine Hours	9460	7531	6156	5330
Oil Hours	0	0	0	1500
Oil Changed	Not Chngd	Not Chngd	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

CALLANAN
 RT 32 677 FLATBUSH RD
 EAST KINGSTON, NY
 US 12401
 Contact:



OIL CONDITION

Visc @ 40°C	cSt	35.6	39.9	39.9	39.8
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T:
F:



CONTAMINATION

Silicon	ppm	11	7	8	9
Sodium	ppm	5	3	1	6
Potassium	ppm	0	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	138	74	44	65
Copper	ppm	2	1	2	4
Lead	ppm	<1	<1	0	1
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	2	1	<1	1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	5
Manganese	ppm	2	1	<1	1
Vanadium	ppm	<1	0	0	<1



ADDITIVES

Calcium	ppm	3004	3094	3577	3849
Magnesium	ppm	1	10	8	12
Zinc	ppm	1309	1381	1507	1546
Phosphorus	ppm	1052	1098	1320	1260
Barium	ppm	0	0	0	0
Boron	ppm	92	99	118	163

Depot: CALEAS
Unique No: 10655622
Signed: Wes Davis
Report Date: 20 Sep 2023



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VOLVO GRAPHS

