



CONSTRUCTION EQUIPMENT

225257 WM VOLVO L220G 12593 - FRONT AXLE



Sample No: VCP403237
Oil Type: VOLVO WB 102
Job No: 225257 WM



SAMPLE INFORMATION

Sample Number	VCP403237	VCP426764	VCP259062	VCP259183
Sample Date	07 Nov 2023	12 Jul 2023	17 Aug 2020	14 Feb 2020
Machine Hours	7898	7856	6904	6528
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	40.0	39.7	40.0	39.8
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CONTAMINATION

Water	%	NEG	NEG	NEG	0.120
Silicon	ppm	18	24	20	16
Sodium	ppm	3	10	9	8
Potassium	ppm	3	1	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	46	80	36	30
Copper	ppm	1	1	<1	1
Lead	ppm	0	0	0	1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	3	0	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3456	3616	3665	3534
Magnesium	ppm	9	13	10	9
Zinc	ppm	1440	1497	1456	1514
Phosphorus	ppm	1138	1209	1193	1214
Barium	ppm	0	0	0	0
Boron	ppm	129	130	237	102

Depot: VOLVO1271
Unique No: 10751897
Signed: Wes Davis
Report Date: 21 Nov 2023



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VOLVO GRAPHS

