



CONSTRUCTION EQUIPMENT

225257 WM VOLVO L220G 12593 - REAR AXLE



Sample No: VCP403266
Oil Type: VOLVO WB 102
Job No: 225257 WM



SAMPLE INFORMATION

Sample Number	VCP403266	VCP426756	VCP239099	VCP259180
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	39.8	40.0	42.2	39.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	0.113
Silicon	ppm	10	14	12	14
Sodium	ppm	3	10	8	6
Potassium	ppm	3	<1	<1	0

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	10	19	8	17
Copper	ppm	<1	<1	0	0
Lead	ppm	0	0	0	1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	1	0	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3887	4272	3918	4283
Magnesium	ppm	9	16	11	11
Zinc	ppm	1596	1732	1516	1765
Phosphorus	ppm	1262	1364	1238	1427
Barium	ppm	0	0	0	0
Boron	ppm	148	161	262	125

Depot: VOLVO1271
Unique No: 10751898
Signed: Wes Davis
Report Date: 21 Nov 2023



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VOLVO GRAPHS

