



CONSTRUCTION EQUIPMENT

224972 WM VOLVO L220G 12593 - FRONT AXLE



Sample No: VCP426764
Oil Type: VOLVO WB 102
Job No: 224972 WM



SAMPLE INFORMATION

Sample Number	VCP426764	VCP259062	VCP259183	VCP242105
Sample Date	12 Jul 2023	17 Aug 2020	14 Feb 2020	27 Feb 2019
Machine Hours	7856	6904	6528	5033
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	39.7	40.0	39.8	47.54
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CONTAMINATION

Water	%	---	---	0.120	---
Silicon	ppm	24	20	16	16
Sodium	ppm	10	9	8	2
Potassium	ppm	1	1	<1	6

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	80	36	30	63
Copper	ppm	1	<1	1	2
Lead	ppm	0	0	1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	3	0	3	2
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	<1	<1	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	<1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3616	3665	3534	3318
Magnesium	ppm	13	10	9	10
Zinc	ppm	1497	1456	1514	1380
Phosphorus	ppm	1209	1193	1214	1090
Barium	ppm	0	0	0	0
Boron	ppm	130	237	102	89

Depot: VOLVO1271
Unique No: 10579415
Signed: Wes Davis
Report Date: 02 Aug 2023



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GRAPHS

