



CONSTRUCTION EQUIPMENT

633991 MOSAIC VOLVO L220H 3205 - REAR AXLE



Sample No: VCP413060
Oil Type: VOLVO WB 102
Job No: 633991 MOSAIC



SAMPLE INFORMATION

Sample Number	VCP413060	VCP402761	VCP364390	VCP348900
Sample Date	17 Nov 2023	16 Feb 2023	23 Aug 2022	02 Feb 2022
Machine Hours	6388	5406	4493	3236
Oil Hours	2000	1400	1500	1000
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	42.1	42.7	39.3	39.6
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	13	10	12
Sodium	ppm	2	<1	5	2
Potassium	ppm	1	0	0	2

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	11	50	40	132
Copper	ppm	15	6	35	19
Lead	ppm	<1	<1	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	1	<1	<1	0
Chromium	ppm	<1	1	1	2
Molybdenum	ppm	19	21	2	2
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<1	2	2	3
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	3587	3822	3778	3961
Magnesium	ppm	41	46	7	7
Zinc	ppm	1501	1443	1548	1651
Phosphorus	ppm	1230	1140	1311	1347
Barium	ppm	0	0	1	0
Boron	ppm	120	125	151	107

Depot: VOLVO0093
Unique No: 10765278
Signed: Wes Davis
Report Date: 30 Nov 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

