



CONSTRUCTION EQUIPMENT

VOLVO L220H 3068 - FRONT AXLE



Sample No: VCP400159
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP400159	VCP385003	VCP320157	VCP322321
Sample Date	12 Oct 2023	06 Feb 2023	03 Mar 2022	15 Nov 2021
Machine Hours	11271	10014	8057	6738
Oil Hours	0	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	51.2	49.3	49.4	50.6
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CONTAMINATION

Silicon	ppm	18	17	13	13
Sodium	ppm	<1	0	3	7
Potassium	ppm	0	2	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	33	38	49	26
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	1	<1	2	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	6	37	5
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3504	3479	3223	2990
Magnesium	ppm	37	48	163	60
Zinc	ppm	1480	1416	1335	1343
Phosphorus	ppm	1212	1166	1129	1060
Barium	ppm	<1	0	0	0
Boron	ppm	118	125	91	113

Depot: VOLVO1835
Unique No: 10699889
Signed: Wes Davis
Report Date: 19 Oct 2023



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VOLVO GRAPHS

