



# CONSTRUCTION EQUIPMENT

## VOLVO L220H 3068 - REAR AXLE



**Sample No:** VCP400161  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP400161</b>	VCP371239	VCP320153	VCP322314
Sample Date	<b>12 Oct 2023</b>	06 Feb 2023	03 Mar 2022	15 Nov 2021
Machine Hours	<b>11271</b>	10014	8057	6738
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	N/A	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>49.3</b>	48.7	47.5	49.5
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### CONTAMINATION

Silicon	ppm	<b>16</b>	17	10	14
Sodium	ppm	<b>&lt;1</b>	0	3	8
Potassium	ppm	<b>0</b>	1	2	0

### WEAR METALS

Iron	ppm	<b>9</b>	15	14	11
Copper	ppm	<b>0</b>	0	<1	0
Lead	ppm	<b>0</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	<1	1	1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	6	44	5
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>3184</b>	3415	3295	3150
Magnesium	ppm	<b>34</b>	45	181	61
Zinc	ppm	<b>1367</b>	1394	1354	1397
Phosphorus	ppm	<b>1113</b>	1135	1136	1091
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>106</b>	122	94	119

### 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.

**Depot:** VOLVO1835  
**Unique No:** 10699886  
**Signed:** Wes Davis  
**Report Date:** 19 Oct 2023



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## GRAPHS

