



# CONSTRUCTION EQUIPMENT

## 729269 MACK CONCRETE VOLVO L110H 631841 - FRONT AXLE



**Sample No:** VCP450712  
**Oil Type:** VOLVO WB 102  
**Job No:** 729269 MACK CONCRETE



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### SAMPLE INFORMATION

Sample Number	<b>VCP450712</b>	VCP405604	VCP364018	VCP268278
Sample Date	<b>11 Jun 2024</b>	28 Mar 2023	25 Aug 2022	18 Aug 2020
Machine Hours	<b>13345</b>	9800	7894	990
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	43.8	42.8	40.1
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>14</b>	17	14	15
Sodium	ppm	<b>4</b>	5	5	8
Potassium	ppm	<b>0</b>	<1	1	<1



### WEAR METALS

Iron	ppm	<b>112</b>	103	80	227
Copper	ppm	<b>2</b>	3	3	1
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>1</b>	2	2	0
Chromium	ppm	<b>1</b>	2	1	6
Molybdenum	ppm	<b>&lt;1</b>	2	2	11
Nickel	ppm	<b>0</b>	<1	0	1
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>2</b>	2	1	9
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3768</b>	3909	3744	3826
Magnesium	ppm	<b>31</b>	24	25	10
Zinc	ppm	<b>1653</b>	1666	1620	1508
Phosphorus	ppm	<b>1290</b>	1348	1280	1243
Barium	ppm	<b>0</b>	0	<1	0
Boron	ppm	<b>145</b>	135	141	243

### 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:** VOLVO0093  
**Unique No:** 11076507  
**Signed:** Wes Davis  
**Report Date:** 14 Jun 2024



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## GRAPHS

