



# CONSTRUCTION EQUIPMENT

W14409 VOLVO L110H 631888 - FRONT AXLE



**Sample No:** VCP424380  
**Oil Type:** VOLVO WB 102  
**Job No:** W14409



## SAMPLE INFORMATION

Sample Number	<b>VCP424380</b>	VCP380808	VCP382408	VCP378703
Sample Date	<b>10 Jul 2023</b>	27 Feb 2023	06 Dec 2022	25 Jul 2022
Machine Hours	<b>6567</b>	6011	5509	5005
Oil Hours	<b>500</b>	2000	500	1000
Oil Changed	<b>Not Changd</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>41.5</b>	42.1	42.1	42.2
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## CONTAMINATION

Silicon	ppm	<b>9</b>	10	12	11
Sodium	ppm	<b>6</b>	9	8	7
Potassium	ppm	<b>&lt;1</b>	0	0	2



## WEAR METALS

Iron	ppm	<b>60</b>	51	51	38
Copper	ppm	<b>2</b>	0	<1	<1
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>0</b>	0	1	0
Aluminum	ppm	<b>1</b>	<1	1	1
Chromium	ppm	<b>1</b>	<1	1	<1
Molybdenum	ppm	<b>3</b>	2	3	2
Nickel	ppm	<b>0</b>	0	<1	0
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	1	1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>2431</b>	3703	3941	3724
Magnesium	ppm	<b>19</b>	24	28	19
Zinc	ppm	<b>1144</b>	1334	1604	1497
Phosphorus	ppm	<b>935</b>	1107	1264	1199
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>62</b>	128	134	138

## 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:** VOLVO0080  
**Unique No:** 10562989  
**Signed:** Wes Davis  
**Report Date:** 19 Jul 2023



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## VOLVO GRAPHS

