



# CONSTRUCTION EQUIPMENT

## X21402 CRH VOLVO L220H 2821 - FRONT AXLE



**Sample No:** VCP410542  
**Oil Type:** VOLVO WB 102  
**Job No:** X21402 CRH



### SAMPLE INFORMATION

Sample Number	<b>VCP410542</b>	VCP374106	VCP404676	VCP426803
Sample Date	<b>30 Oct 2023</b>	21 Sep 2023	19 Jul 2023	15 May 2023
Machine Hours	<b>9286</b>	9058	8643	8210
Oil Hours	<b>0</b>	1000	0	4000
Oil Changed	<b>N/A</b>	Not Changd	Not Changd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### HOUSBY HEAVY EQUIPMENT

PO BOX 1846  
 CEDAR RAPIDS, IA  
 US 52406  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.3</b>	43.4	43.7	40.5
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### CONTAMINATION

Silicon	ppm	<b>11</b>	12	12	10
Sodium	ppm	<b>1</b>	1	2	7
Potassium	ppm	<b>0</b>	1	0	1



### WEAR METALS

Iron	ppm	<b>40</b>	44	39	63
Copper	ppm	<b>&lt;1</b>	1	<1	4
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>&lt;1</b>	2	1	1
Chromium	ppm	<b>&lt;1</b>	1	<1	2
Molybdenum	ppm	<b>&lt;1</b>	2	3	3
Nickel	ppm	<b>0</b>	0	0	1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	1	<1	2
Vanadium	ppm	<b>0</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>3530</b>	3720	4060	3372
Magnesium	ppm	<b>32</b>	30	36	28
Zinc	ppm	<b>1442</b>	1496	1686	1523
Phosphorus	ppm	<b>1091</b>	1196	1322	1215
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>139</b>	133	144	105

### 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:** VOLVO0074  
**Unique No:** 10725298  
**Signed:** Sean Felton  
**Report Date:** 03 Nov 2023



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## VOLVO GRAPHS

