



# CONSTRUCTION EQUIPMENT

W14567 HOUSBY VOLVO L220H 2820 - FRONT AXLE



**Sample No:** VCP410533  
**Oil Type:** VOLVO WB 102  
**Job No:** W14567 HOUSBY



## SAMPLE INFORMATION

Sample Number	<b>VCP410533</b>	VCP426790	VCP382403	VCP374219
Sample Date	<b>15 Aug 2023</b>	31 May 2023	07 Dec 2022	15 Sep 2022
Machine Hours	<b>9046</b>	8553	8016	7495
Oil Hours	<b>1000</b>	500	4000	500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

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## OIL CONDITION

Visc @ 40°C	cSt	<b>46.6</b>	47.4	41.6	41.9
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## CONTAMINATION

Silicon	ppm	<b>14</b>	17	11	25
Sodium	ppm	<b>5</b>	4	7	8
Potassium	ppm	<b>&lt;1</b>	2	0	<1



## WEAR METALS

Iron	ppm	<b>25</b>	23	46	56
Copper	ppm	<b>2</b>	1	6	5
Lead	ppm	<b>&lt;1</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	0	<1
Aluminum	ppm	<b>&lt;1</b>	2	1	3
Chromium	ppm	<b>&lt;1</b>	<1	1	1
Molybdenum	ppm	<b>1</b>	2	2	2
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	<1	1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3653</b>	3846	3760	3615
Magnesium	ppm	<b>23</b>	24	26	27
Zinc	ppm	<b>1458</b>	1553	1521	1488
Phosphorus	ppm	<b>1169</b>	1235	1182	1172
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>130</b>	119	129	109

## 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:** 10615784  
**Signed:** Sean Felton  
**Report Date:** 23 Aug 2023



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## VOLVO GRAPHS

