



# CONSTRUCTION EQUIPMENT

## W14567 HOUSBY VOLVO L220H 2820 - REAR AXLE



**Sample No:** VCP410537  
**Oil Type:** VOLVO WB 102  
**Job No:** W14567 HOUSBY



### SAMPLE INFORMATION

Sample Number	<b>VCP410537</b>	VCP402599	VCP370679	VCP374222
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>ABNORMAL</b>	ABNORMAL	NORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>46.0</b>	47.3	41.5	41.5
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### CONTAMINATION

Silicon	ppm	<b>14</b>	15	11	14
Sodium	ppm	<b>4</b>	4	7	8
Potassium	ppm	<b>&lt;1</b>	1	0	<1



### WEAR METALS

Iron	ppm	<b>22</b>	21	43	35
Copper	ppm	<b>2</b>	<1	0	5
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	2	1	2
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	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>3710</b>	3713	3817	3721
Magnesium	ppm	<b>23</b>	23	26	27
Zinc	ppm	<b>1477</b>	1503	1532	1545
Phosphorus	ppm	<b>1167</b>	1182	1190	1205
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>125</b>	114	133	110

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. High concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0080  
**Unique No:** 10615785  
**Signed:** Don Baldrige  
**Report Date:** 23 Aug 2023



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## VOLVO GRAPHS

