



# CONSTRUCTION EQUIPMENT

## 716307 BULK EXPRESS VOLVO L180H 5720 - FRONT AXLE



**Sample No:** VCP454916  
**Oil Type:** VOLVO WB 102  
**Job No:** 716307 BULK EXPRESS



### SAMPLE INFORMATION

Sample Number	<b>VCP454916</b>	VCP441783	VCP432357	VCP434603
Sample Date	<b>15 May 2024</b>	07 Feb 2024	20 Dec 2023	07 Nov 2023
Machine Hours	<b>3576</b>	2615	2139	1692
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	N/A	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.9</b>	46.4	41.4	41.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>14</b>	13	14	14
Sodium	ppm	<b>3</b>	4	<1	3
Potassium	ppm	<b>2</b>	0	5	2

### 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.



### WEAR METALS

Iron	ppm	<b>58</b>	66	75	61
Copper	ppm	<b>4</b>	5	6	4
Lead	ppm	<b>0</b>	0	0	1
Tin	ppm	<b>0</b>	0	0	<1
Aluminum	ppm	<b>1</b>	1	2	2
Chromium	ppm	<b>2</b>	2	3	2
Molybdenum	ppm	<b>6</b>	2	6	4
Nickel	ppm	<b>0</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>3</b>	4	5	4
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>4068</b>	3512	3737	3646
Magnesium	ppm	<b>46</b>	11	11	12
Zinc	ppm	<b>1629</b>	1493	1576	1547
Phosphorus	ppm	<b>1376</b>	1325	1341	1344
Barium	ppm	<b>0</b>	0	10	0
Boron	ppm	<b>151</b>	128	128	127

**Depot:** VOLVO0096  
**Unique No:** 11036047  
**Signed:** Wes Davis  
**Report Date:** 21 May 2024



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## VOLVO GRAPHS

