



# CONSTRUCTION EQUIPMENT

379009-10 VOLVO L220H 2752 - REAR AXLE



**Sample No:** VCP427143  
**Oil Type:** VOLVO WB 102  
**Job No:** 379009-10



## SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP427143</b>   | VCP424082   | VCP420291   | VCP376107   |
| Sample Date   | <b>21 Oct 2023</b> | 07 Sep 2023 | 23 May 2023 | 17 Oct 2022 |
| Machine Hours | <b>16017</b>       | 15591       | 14548       | 12267       |
| Oil Hours     | <b>0</b>           | 0           | 0           | 0           |
| Oil Changed   | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   | Not Chngd   |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

**WHEELABRATOR**  
 1 CHARLES POINT AVE  
 PEEKSKILL, NY  
 US 10566  
 Contact: Service Manager



## OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>46.7</b> | 46.8 | 42.2 | 39.7 |
|-------------|-----|-------------|------|------|------|

T:  
F:



## CONTAMINATION

|           |     |              |    |    |   |
|-----------|-----|--------------|----|----|---|
| Silicon   | ppm | <b>11</b>    | 12 | 14 | 7 |
| Sodium    | ppm | <b>&lt;1</b> | 3  | 6  | 0 |
| Potassium | ppm | <b>0</b>     | 0  | 0  | 3 |

## 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>14</b> | 13 | 299 | 71 |
| Copper     | ppm | <b>0</b>  | <1 | 0   | 1  |
| Lead       | ppm | <b>0</b>  | 0  | 0   | <1 |
| Tin        | ppm | <b>0</b>  | <1 | 0   | 0  |
| Aluminum   | ppm | <b>0</b>  | 1  | 0   | 0  |
| Chromium   | ppm | <b>0</b>  | <1 | 4   | 2  |
| Molybdenum | ppm | <b>0</b>  | 0  | 7   | <1 |
| Nickel     | ppm | <b>0</b>  | 0  | 0   | 0  |
| Titanium   | ppm | <b>0</b>  | <1 | 0   | 0  |
| Silver     | ppm | <b>0</b>  | 0  | 0   | 0  |
| Manganese  | ppm | <b>0</b>  | <1 | 4   | 2  |
| Vanadium   | ppm | <b>0</b>  | <1 | <1  | 0  |



## ADDITIVES

|            |     |             |      |      |      |
|------------|-----|-------------|------|------|------|
| Calcium    | ppm | <b>3522</b> | 4160 | 4086 | 2989 |
| Magnesium  | ppm | <b>14</b>   | 6    | 18   | 10   |
| Zinc       | ppm | <b>1290</b> | 1629 | 1690 | 1300 |
| Phosphorus | ppm | <b>995</b>  | 1263 | 1317 | 1039 |
| Barium     | ppm | <b>0</b>    | 0    | 0    | 0    |
| Boron      | ppm | <b>145</b>  | 137  | 136  | 87   |

**Depot:** WHEPEE  
**Unique No:** 10725879  
**Signed:** Wes Davis  
**Report Date:** 03 Nov 2023



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## VOLVO GRAPHS

