



# CONSTRUCTION EQUIPMENT

395451-10 VOLVO L90G 617213 - REAR AXLE



**Sample No:** VCP441764  
**Oil Type:** VOLVO WB 102  
**Job No:** 395451-10



## SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP441764</b>   | VCP326783   | VCP303726   | VCP275705   |
| Sample Date   | <b>27 Oct 2023</b> | 18 Oct 2021 | 14 Jun 2021 | 10 Aug 2020 |
| Machine Hours | <b>12029</b>       | 11096       | 10532       | 10005       |
| Oil Hours     | <b>0</b>           | 0           | 3500        | 2000        |
| Oil Changed   | <b>N/A</b>         | Changed     | Not Changd  | Not Changd  |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

IAA - INSURANCE AUTO AUCTIONS - ROCK TAVERN  
 39 STONE CASTLE RD  
 ROCK TAVERN, NY  
 US 12575  
 Contact: SERVICE MANAGER



## OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>42.8</b> | 39.3 | 40.9 | 40.2 |
|-------------|-----|-------------|------|------|------|

T:  
F:



## CONTAMINATION

|           |     |           |    |    |   |
|-----------|-----|-----------|----|----|---|
| Silicon   | ppm | <b>17</b> | 12 | 11 | 7 |
| Sodium    | ppm | <b>2</b>  | 6  | <1 | 0 |
| Potassium | ppm | <b>0</b>  | 0  | 0  | 0 |

## 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>38</b>    | 28 | 80 | 31 |
| Copper     | ppm | <b>1</b>     | 9  | <1 | 0  |
| Lead       | ppm | <b>0</b>     | <1 | <1 | 0  |
| Tin        | ppm | <b>0</b>     | 0  | <1 | 0  |
| Aluminum   | ppm | <b>&lt;1</b> | 1  | <1 | 0  |
| Chromium   | ppm | <b>0</b>     | <1 | 1  | 0  |
| Molybdenum | ppm | <b>0</b>     | 0  | 1  | 0  |
| Nickel     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Titanium   | ppm | <b>0</b>     | <1 | <1 | 0  |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Manganese  | ppm | <b>&lt;1</b> | <1 | 2  | <1 |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | 0  |



## ADDITIVES

|            |     |             |      |      |      |
|------------|-----|-------------|------|------|------|
| Calcium    | ppm | <b>3845</b> | 3587 | 4006 | 3543 |
| Magnesium  | ppm | <b>19</b>   | 7    | 14   | 5    |
| Zinc       | ppm | <b>1395</b> | 1666 | 1550 | 1527 |
| Phosphorus | ppm | <b>1048</b> | 1312 | 1293 | 1297 |
| Barium     | ppm | <b>0</b>    | 0    | 0    | 0    |
| Boron      | ppm | <b>158</b>  | 108  | 131  | 126  |

**Depot:** INSROC  
**Unique No:** 10725878  
**Signed:** Wes Davis  
**Report Date:** 03 Nov 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

