



# CONSTRUCTION EQUIPMENT

## VOLVO L150H 7248 - REAR AXLE



**Sample No:** VCP404445

**Oil Type:** FACTORY

**Job No:**



### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP404445</b>   | VCP418076   | --- | --- |
| Sample Date   | <b>02 Nov 2023</b> | 01 Sep 2023 | --- | --- |
| Machine Hours | <b>486</b>         | 253         | --- | --- |
| Oil Hours     | <b>486</b>         | 253         | --- | --- |
| Oil Changed   | <b>Not Chngd</b>   | Not Chngd   | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |

### MARYLAND ENVIRONMENTAL SERVICES

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### OIL CONDITION

|             |     |             |      |     |     |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | <b>41.5</b> | 41.8 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



### CONTAMINATION

|           |     |          |    |     |     |
|-----------|-----|----------|----|-----|-----|
| Silicon   | ppm | <b>9</b> | 11 | --- | --- |
| Sodium    | ppm | <b>4</b> | 4  | --- | --- |
| Potassium | ppm | <b>1</b> | 4  | --- | --- |



### WEAR METALS

|            |     |              |    |     |     |
|------------|-----|--------------|----|-----|-----|
| Iron       | ppm | <b>19</b>    | 17 | --- | --- |
| Copper     | ppm | <b>&lt;1</b> | 2  | --- | --- |
| Lead       | ppm | <b>&lt;1</b> | 1  | --- | --- |
| Tin        | ppm | <b>0</b>     | <1 | --- | --- |
| Aluminum   | ppm | <b>&lt;1</b> | 0  | --- | --- |
| Chromium   | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Molybdenum | ppm | <b>2</b>     | 3  | --- | --- |
| Nickel     | ppm | <b>0</b>     | 0  | --- | --- |
| Titanium   | ppm | <b>0</b>     | 0  | --- | --- |
| Silver     | ppm | <b>0</b>     | 0  | --- | --- |
| Manganese  | ppm | <b>2</b>     | 2  | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0  | --- | --- |



### ADDITIVES

|            |     |             |      |     |     |
|------------|-----|-------------|------|-----|-----|
| Calcium    | ppm | <b>3710</b> | 4064 | --- | --- |
| Magnesium  | ppm | <b>10</b>   | 13   | --- | --- |
| Zinc       | ppm | <b>1553</b> | 1660 | --- | --- |
| Phosphorus | ppm | <b>1201</b> | 1330 | --- | --- |
| Barium     | ppm | <b>0</b>    | 0    | --- | --- |
| Boron      | ppm | <b>146</b>  | 130  | --- | --- |

### 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:** MARDIC  
**Unique No:** 10729527  
**Signed:** Sean Felton  
**Report Date:** 09 Nov 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

