



# CONSTRUCTION EQUIPMENT

616970 FRITZ VOLVO L70H 623207 - FRONT AXLE



**Sample No:** VCP440452  
**Oil Type:** VOLVO WB 102  
**Job No:** 616970 FRITZ



## SAMPLE INFORMATION

|               |             |             |     |     |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP440452   | VCP396060   | --- | --- |
| Sample Date   | 15 Jan 2024 | 17 Nov 2022 | --- | --- |
| Machine Hours | 6390        | 4828        | --- | --- |
| Oil Hours     | 2390        | 2400        | --- | --- |
| Oil Changed   | Changed     | Changed     | --- | --- |
| Sample Status | NORMAL      | NORMAL      | --- | --- |

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## OIL CONDITION

|             |     |      |      |     |     |
|-------------|-----|------|------|-----|-----|
| Visc @ 40°C | cSt | 39.6 | 39.5 | --- | --- |
|-------------|-----|------|------|-----|-----|



## CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | NEG | --- | --- |
| Silicon   | ppm | 9   | 11  | --- | --- |
| Sodium    | ppm | 0   | 11  | --- | --- |
| Potassium | ppm | 4   | 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 | 39 | 110 | --- | --- |
| Copper     | ppm | <1 | <1  | --- | --- |
| Lead       | ppm | 0  | 0   | --- | --- |
| Tin        | ppm | 0  | 0   | --- | --- |
| Aluminum   | ppm | 1  | 2   | --- | --- |
| Chromium   | ppm | 1  | 4   | --- | --- |
| Molybdenum | ppm | 6  | 10  | --- | --- |
| Nickel     | ppm | <1 | <1  | --- | --- |
| Titanium   | ppm | <1 | 0   | --- | --- |
| Silver     | ppm | 0  | 0   | --- | --- |
| Manganese  | ppm | 3  | 8   | --- | --- |
| Vanadium   | ppm | 0  | 0   | --- | --- |



## ADDITIVES

|            |     |      |      |     |     |
|------------|-----|------|------|-----|-----|
| Calcium    | ppm | 3379 | 3657 | --- | --- |
| Magnesium  | ppm | 19   | 11   | --- | --- |
| Zinc       | ppm | 1488 | 1518 | --- | --- |
| Phosphorus | ppm | 1089 | 1199 | --- | --- |
| Barium     | ppm | 0    | 0    | --- | --- |
| Boron      | ppm | 44   | 116  | --- | --- |

**Depot:** VOLVO2990  
**Unique No:** 10846453  
**Signed:** Wes Davis  
**Report Date:** 25 Jan 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

