



# CONSTRUCTION EQUIPMENT

## VOLVO L120H 633400 - REAR AXLE



**Sample No:** VCP437226  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

|               |             |             |     |     |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP437226   | VCP442188   | --- | --- |
| Sample Date   | 20 Feb 2024 | 19 Oct 2023 | --- | --- |
| Machine Hours | 2033        | 1010        | --- | --- |
| Oil Hours     | 0           | 1010        | --- | --- |
| Oil Changed   | Changed     | Changed     | --- | --- |
| Sample Status | NORMAL      | NORMAL      | --- | --- |

### CITY CARTING

221 OLD GATE LN  
MILFORD, CT  
US 06460  
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tavins@citycart.net  
T: (203)223-3885  
F:



### OIL CONDITION

|             |     |      |      |     |     |
|-------------|-----|------|------|-----|-----|
| Visc @ 40°C | cSt | 42.9 | 43.7 | --- | --- |
|-------------|-----|------|------|-----|-----|



### CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | NEG | --- | --- |
| Silicon   | ppm | 17  | 23  | --- | --- |
| Sodium    | ppm | 3   | 4   | --- | --- |
| Potassium | ppm | 0   | <1  | --- | --- |

### 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 | 158 | 273 | --- | --- |
| Copper     | ppm | 0   | 1   | --- | --- |
| Lead       | ppm | 0   | 0   | --- | --- |
| Tin        | ppm | 0   | 0   | --- | --- |
| Aluminum   | ppm | <1  | 1   | --- | --- |
| Chromium   | ppm | 2   | 4   | --- | --- |
| Molybdenum | ppm | 5   | 7   | --- | --- |
| Nickel     | ppm | 0   | 1   | --- | --- |
| Titanium   | ppm | 0   | 0   | --- | --- |
| Silver     | ppm | 0   | 0   | --- | --- |
| Manganese  | ppm | 6   | 10  | --- | --- |
| Vanadium   | ppm | 0   | 0   | --- | --- |



### ADDITIVES

|            |     |      |      |     |     |
|------------|-----|------|------|-----|-----|
| Calcium    | ppm | 3610 | 3615 | --- | --- |
| Magnesium  | ppm | 16   | 22   | --- | --- |
| Zinc       | ppm | 1422 | 1533 | --- | --- |
| Phosphorus | ppm | 1194 | 1283 | --- | --- |
| Barium     | ppm | 0    | 0    | --- | --- |
| Boron      | ppm | 123  | 131  | --- | --- |

**Depot:** CITMILCON  
**Unique No:** 10896988  
**Signed:** Wes Davis  
**Report Date:** 26 Feb 2024



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## GRAPHS

