



# CONSTRUCTION EQUIPMENT

## 364520 VOLVO L120H 632541 - FRONT AXLE



**Sample No:** VCP381812  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:** 364520



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP381812</b>   | VCP380864   | VCP349568   | VCP332648   |
| Sample Date   | <b>10 May 2023</b> | 03 Jan 2023 | 02 Sep 2022 | 07 Mar 2022 |
| Machine Hours | <b>10842</b>       | 8482        | 0           | 2091        |
| Oil Hours     | <b>2000</b>        | 0           | 3500        | 0           |
| Oil Changed   | <b>Changed</b>     | Changed     | Changed     | Changed     |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

**STRONGCO EQUIP (AB)**  
 6 - 38403 BURNT LAKE TRAIL  
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### OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>49.7</b> | 49.5 | 51.7 | 52.7 |
|-------------|-----|-------------|------|------|------|



### CONTAMINATION

| Water     | %   | NEG       | NEG | NEG | NEG |
|-----------|-----|-----------|-----|-----|-----|
| Silicon   | ppm | <b>13</b> | 18  | 16  | 18  |
| Sodium    | ppm | <b>5</b>  | <1  | 6   | 6   |
| Potassium | ppm | <b>0</b>  | 0   | 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 | <b>21</b>    | 58 | 99 | 136 |
| Copper     | ppm | <b>0</b>     | 0  | <1 | <1  |
| Lead       | ppm | <b>0</b>     | 0  | 0  | <1  |
| Tin        | ppm | <b>0</b>     | 0  | 0  | 0   |
| Aluminum   | ppm | <b>1</b>     | 1  | 1  | 1   |
| Chromium   | ppm | <b>&lt;1</b> | <1 | 2  | 3   |
| Molybdenum | ppm | <b>&lt;1</b> | <1 | 1  | 4   |
| Nickel     | ppm | <b>0</b>     | <1 | <1 | <1  |
| Titanium   | ppm | <b>&lt;1</b> | <1 | <1 | 0   |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0   |
| Manganese  | ppm | <b>&lt;1</b> | <1 | 2  | 4   |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | 0   |



### ADDITIVES

|            |     |             |      |      |      |
|------------|-----|-------------|------|------|------|
| Calcium    | ppm | <b>3872</b> | 3993 | 3644 | 3713 |
| Magnesium  | ppm | <b>15</b>   | 15   | 18   | 18   |
| Zinc       | ppm | <b>1452</b> | 1507 | 1385 | 1503 |
| Phosphorus | ppm | <b>1275</b> | 1312 | 1238 | 1243 |
| Barium     | ppm | <b>0</b>    | 0    | 0    | 0    |
| Boron      | ppm | <b>106</b>  | 114  | 102  | 112  |

**Depot:** VOLVO9652  
**Unique No:** 5578339  
**Signed:** Wes Davis  
**Report Date:** 12 May 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

