



# CONSTRUCTION EQUIPMENT

SWA109498 VOLVO L350H 1101 - FRONT AXLE



**Sample No:** VCP367674  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:** SWA109498



## SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP367674</b>   | VCP315331   | --- | --- |
| Sample Date   | <b>10 Nov 2022</b> | 14 Jul 2021 | --- | --- |
| Machine Hours | <b>5562</b>        | 3867        | --- | --- |
| Oil Hours     | <b>0</b>           | 0           | --- | --- |
| Oil Changed   | <b>Not Changed</b> | Changed     | --- | --- |
| Sample Status | <b>ABNORMAL</b>    | ABNORMAL    | --- | --- |

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## OIL CONDITION

|             |     |             |      |     |     |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | <b>41.3</b> | 43.4 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



## CONTAMINATION

|           |     |            |     |     |     |
|-----------|-----|------------|-----|-----|-----|
| Water     | %   | <b>NEG</b> | NEG | --- | --- |
| Silicon   | ppm | <b>14</b>  | 21  | --- | --- |
| Sodium    | ppm | <b>4</b>   | 1   | --- | --- |
| Potassium | ppm | <b>0</b>   | <1  | --- | --- |

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other 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>712</b>   | 1136 | --- | --- |
| Copper     | ppm | <b>13</b>    | 17   | --- | --- |
| Lead       | ppm | <b>&lt;1</b> | <1   | --- | --- |
| Tin        | ppm | <b>&lt;1</b> | <1   | --- | --- |
| Aluminum   | ppm | <b>2</b>     | 3    | --- | --- |
| Chromium   | ppm | <b>2</b>     | 3    | --- | --- |
| Molybdenum | ppm | <b>2</b>     | 3    | --- | --- |
| Nickel     | ppm | <b>&lt;1</b> | <1   | --- | --- |
| Titanium   | ppm | <b>&lt;1</b> | <1   | --- | --- |
| Silver     | ppm | <b>0</b>     | 0    | --- | --- |
| Manganese  | ppm | <b>7</b>     | 11   | --- | --- |
| Vanadium   | ppm | <b>0</b>     | <1   | --- | --- |



## ADDITIVES

|            |     |             |      |     |     |
|------------|-----|-------------|------|-----|-----|
| Calcium    | ppm | <b>3166</b> | 3364 | --- | --- |
| Magnesium  | ppm | <b>13</b>   | 13   | --- | --- |
| Zinc       | ppm | <b>1308</b> | 1349 | --- | --- |
| Phosphorus | ppm | <b>1124</b> | 1141 | --- | --- |
| Barium     | ppm | <b>0</b>    | 2    | --- | --- |
| Boron      | ppm | <b>90</b>   | 184  | --- | --- |

**Depot:** VOLVO8885  
**Unique No:** 10217453  
**Signed:** Don Baldrige  
**Report Date:** 16 Nov 2022



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## VOLVO GRAPHS

