



# CONSTRUCTION EQUIPMENT

## VOLVO L150H 4375 - REAR AXLE



**Sample No:** VCP409004  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:**



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP409004</b>   | VCP403845   | VCP405046   | VCP383668   |
| Sample Date   | <b>07 Aug 2023</b> | 15 May 2023 | 09 Mar 2023 | 29 Dec 2022 |
| Machine Hours | <b>10788</b>       | 10497       | 10236       | 9981        |
| Oil Hours     | <b>807</b>         | 500         | 255         | 2000        |
| Oil Changed   | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   | Changed     |
| Sample Status | <b>NORMAL</b>      | ABNORMAL    | NORMAL      | NORMAL      |

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### OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>45.0</b> | 47.0 | 89.4 | 50.8 |
|-------------|-----|-------------|------|------|------|



### CONTAMINATION

|           |     |           |    |    |   |
|-----------|-----|-----------|----|----|---|
| Silicon   | ppm | <b>22</b> | 10 | 8  | 7 |
| Sodium    | ppm | <b>3</b>  | <1 | 1  | 2 |
| Potassium | ppm | <b>0</b>  | 1  | <1 | 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>55</b>    | 19 | 16 | 78 |
| Copper     | ppm | <b>2</b>     | <1 | <1 | 4  |
| Lead       | ppm | <b>&lt;1</b> | 0  | 0  | 1  |
| Tin        | ppm | <b>&lt;1</b> | 0  | <1 | <1 |
| Aluminum   | ppm | <b>3</b>     | 2  | 1  | 1  |
| Chromium   | ppm | <b>&lt;1</b> | 0  | <1 | 1  |
| Molybdenum | ppm | <b>3</b>     | 3  | 3  | 8  |
| Nickel     | ppm | <b>0</b>     | 0  | 0  | <1 |
| Titanium   | ppm | <b>&lt;1</b> | 0  | 0  | <1 |
| Silver     | ppm | <b>0</b>     | <1 | 0  | 0  |
| Manganese  | ppm | <b>&lt;1</b> | <1 | <1 | 1  |
| Vanadium   | ppm | <b>&lt;1</b> | 0  | 0  | 0  |



### ADDITIVES

|            |     |             |      |      |      |
|------------|-----|-------------|------|------|------|
| Calcium    | ppm | <b>3436</b> | 3795 | 3289 | 3303 |
| Magnesium  | ppm | <b>35</b>   | 0    | 31   | 33   |
| Zinc       | ppm | <b>1373</b> | 1593 | 1350 | 1388 |
| Phosphorus | ppm | <b>1187</b> | 1263 | 1069 | 1112 |
| Barium     | ppm | <b>0</b>    | 0    | 0    | 0    |
| Boron      | ppm | <b>115</b>  | 87   | 82   | 105  |

**Depot:** MARDIC  
**Unique No:** 10602882  
**Signed:** Wes Davis  
**Report Date:** 14 Aug 2023



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## VOLVO GRAPHS

