



# CONSTRUCTION EQUIPMENT

## 32407 TRANSYSTEM VOLVO L220H 3555 - FRONT AXLE



**Sample No:** VCP453979  
**Oil Type:** MOBIL MOBILFLUID 424  
**Job No:** 32407 TRANSYSTEM



### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP453979</b>   | VCP406612   | --- | --- |
| Sample Date   | <b>09 May 2024</b> | 24 Jan 2024 | --- | --- |
| Machine Hours | <b>2057</b>        | 984         | --- | --- |
| Oil Hours     | <b>0</b>           | 0           | --- | --- |
| Oil Changed   | <b>Changed</b>     | Changed     | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |

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### OIL CONDITION

|             |     |             |      |     |     |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | <b>51.1</b> | 46.0 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



### CONTAMINATION

|           |     |            |     |     |     |
|-----------|-----|------------|-----|-----|-----|
| Water     | %   | <b>NEG</b> | NEG | --- | --- |
| Silicon   | ppm | <b>23</b>  | 15  | --- | --- |
| Sodium    | ppm | <b>0</b>   | 0   | --- | --- |
| Potassium | ppm | <b>3</b>   | 3   | --- | --- |

### 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>115</b>   | 179 | --- | --- |
| Copper     | ppm | <b>3</b>     | <1  | --- | --- |
| Lead       | ppm | <b>&lt;1</b> | 0   | --- | --- |
| Tin        | ppm | <b>&lt;1</b> | 0   | --- | --- |
| Aluminum   | ppm | <b>2</b>     | 2   | --- | --- |
| Chromium   | ppm | <b>3</b>     | 4   | --- | --- |
| Molybdenum | ppm | <b>5</b>     | 5   | --- | --- |
| Nickel     | ppm | <b>&lt;1</b> | <1  | --- | --- |
| Titanium   | ppm | <b>&lt;1</b> | <1  | --- | --- |
| Silver     | ppm | <b>&lt;1</b> | 0   | --- | --- |
| Manganese  | ppm | <b>4</b>     | 5   | --- | --- |
| Vanadium   | ppm | <b>&lt;1</b> | 0   | --- | --- |



### ADDITIVES

|            |     |             |      |     |     |
|------------|-----|-------------|------|-----|-----|
| Calcium    | ppm | <b>3327</b> | 3713 | --- | --- |
| Magnesium  | ppm | <b>44</b>   | 11   | --- | --- |
| Zinc       | ppm | <b>1407</b> | 1569 | --- | --- |
| Phosphorus | ppm | <b>1271</b> | 1352 | --- | --- |
| Barium     | ppm | <b>0</b>    | 7    | --- | --- |
| Boron      | ppm | <b>114</b>  | 128  | --- | --- |

**Depot:** VOLVO1835  
**Unique No:** 11033048  
**Signed:** Wes Davis  
**Report Date:** 17 May 2024



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## VOLVO GRAPHS

