



# CONSTRUCTION EQUIPMENT

## SWO-068630 EPIROC TMG21 SED0492 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP447549  
**Oil Type:** {unknown}  
**Job No:** SWO-068630



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP447549</b>   | VCP428777   | VCP428886   | VCP429382   |
| Sample Date   | <b>03 Jan 2024</b> | 27 Nov 2023 | 31 Oct 2023 | 08 Oct 2023 |
| Machine Hours | <b>4772</b>        | 4529        | 4296        | 4048        |
| Oil Hours     | <b>0</b>           | 0           | 0           | 0           |
| Oil Changed   | <b>Not Changd</b>  | Changed     | Not Changd  | Not Changd  |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

|             |     |            |     |     |     |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>221</b> | 211 | 214 | 213 |
|-------------|-----|------------|-----|-----|-----|



### CONTAMINATION

| Water     | %   | NEG       | NEG | NEG | NEG |
|-----------|-----|-----------|-----|-----|-----|
| Silicon   | ppm | <b>29</b> | 27  | 22  | 27  |
| Sodium    | ppm | <b>0</b>  | 1   | 0   | 0   |
| Potassium | ppm | <b>1</b>  | 2   | 1   | 2   |

### 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>92</b>    | 175 | 150 | 128 |
| Copper     | ppm | <b>5</b>     | 8   | 7   | 7   |
| Lead       | ppm | <b>13</b>    | 26  | 24  | 23  |
| Tin        | ppm | <b>&lt;1</b> | <1  | <1  | <1  |
| Aluminum   | ppm | <b>2</b>     | 2   | <1  | 0   |
| Chromium   | ppm | <b>&lt;1</b> | 1   | <1  | 1   |
| Molybdenum | ppm | <b>&lt;1</b> | 0   | 0   | <1  |
| Nickel     | ppm | <b>&lt;1</b> | <1  | 0   | <1  |
| Titanium   | ppm | <b>&lt;1</b> | <1  | 0   | <1  |
| Silver     | ppm | <b>0</b>     | 0   | 0   | 0   |
| Manganese  | ppm | <b>1</b>     | 2   | 1   | 2   |
| Vanadium   | ppm | <b>0</b>     | 0   | 0   | 0   |



### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>33</b>  | 30  | 87  | 26  |
| Magnesium  | ppm | <b>1</b>   | 3   | 1   | <1  |
| Zinc       | ppm | <b>5</b>   | 0   | 28  | 4   |
| Phosphorus | ppm | <b>454</b> | 392 | 344 | 366 |
| Barium     | ppm | <b>8</b>   | 0   | 0   | 2   |
| Boron      | ppm | <b>1</b>   | <1  | <1  | 2   |

**Depot:** SAIBIR  
**Unique No:** 10820294  
**Signed:** Jonathan Hester  
**Report Date:** 10 Jan 2024



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## VOLVO GRAPHS

