



# CONSTRUCTION EQUIPMENT

## 639020 TUCKER PAVING VOLVO EC550EL 310196 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP428795  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 639020 TUCKER PAVING



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### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP428795   | --- | --- | --- |
| Sample Date   | 05 Jan 2024 | --- | --- | --- |
| Machine Hours | 1236        | --- | --- | --- |
| Oil Hours     | 1236        | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |



### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 175 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Water     | %   | NEG  | --- | --- | --- |
| Silicon   | ppm | █ 20 | --- | --- | --- |
| Sodium    | ppm | █ 1  | --- | --- | --- |
| Potassium | ppm | █ 2  | --- | --- | --- |



### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | ▲ 705 | --- | --- | --- |
| Copper     | ppm | █ 1   | --- | --- | --- |
| Lead       | ppm | █ <1  | --- | --- | --- |
| Tin        | ppm | █ 0   | --- | --- | --- |
| Aluminum   | ppm | █ 2   | --- | --- | --- |
| Chromium   | ppm | █ 9   | --- | --- | --- |
| Molybdenum | ppm | █ 1   | --- | --- | --- |
| Nickel     | ppm | █ 1   | --- | --- | --- |
| Titanium   | ppm | <1    | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | █ 7   | --- | --- | --- |
| Vanadium   | ppm | <1    | --- | --- | --- |



### ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 6   | --- | --- | --- |
| Magnesium  | ppm | █ 1   | --- | --- | --- |
| Zinc       | ppm | █ 0   | --- | --- | --- |
| Phosphorus | ppm | █ 293 | --- | --- | --- |
| Barium     | ppm | █ 0   | --- | --- | --- |
| Boron      | ppm | █ 2   | --- | --- | --- |

### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0093  
**Unique No:** 10862337  
**Signed:** Don Baldrige  
**Report Date:** 07 Feb 2024



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## GRAPHS

