



# CONSTRUCTION EQUIPMENT

## SWA581457 WASTE MGMT VOLVO EC160EL 310359 - LEFT TRACK DRIVE



**Sample No:** VCP439522  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWA581457 WASTE MGMT



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP439522   | --- | --- | --- |
| Sample Date   | 07 Jun 2024 | --- | --- | --- |
| Machine Hours | 5316        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Not Chngd   | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |

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### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 165 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



### CONTAMINATION

|           |     |         |     |     |     |
|-----------|-----|---------|-----|-----|-----|
| Water     | %   | ▲ 0.224 | --- | --- | --- |
| Silicon   | ppm | ▲ 175   | --- | --- | --- |
| Sodium    | ppm | █ 0     | --- | --- | --- |
| Potassium | ppm | █ 2     | --- | --- | --- |

### Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. There is a light concentration of water present in the oil. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.



### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | █ 937 | --- | --- | --- |
| Copper     | ppm | █ 1   | --- | --- | --- |
| Lead       | ppm | █ <1  | --- | --- | --- |
| Tin        | ppm | █ 0   | --- | --- | --- |
| Aluminum   | ppm | █ 6   | --- | --- | --- |
| Chromium   | ppm | █ 5   | --- | --- | --- |
| Molybdenum | ppm | █ <1  | --- | --- | --- |
| Nickel     | ppm | █ 2   | --- | --- | --- |
| Titanium   | ppm | <1    | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | █ 6   | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |



### ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 184 | --- | --- | --- |
| Magnesium  | ppm | █ 3   | --- | --- | --- |
| Zinc       | ppm | 4     | --- | --- | --- |
| Phosphorus | ppm | █ 941 | --- | --- | --- |
| Barium     | ppm | █ 0   | --- | --- | --- |
| Boron      | ppm | █ 153 | --- | --- | --- |

**Depot:** VOLVO0095  
**Unique No:** 11075597  
**Signed:** Don Baldrige  
**Report Date:** 14 Jun 2024



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## GRAPHS

