



# CONSTRUCTION EQUIPMENT

19072 HERC VOLVO EC140EL 311842 - SWING DRIVE



**Sample No:** VCP425910  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** 19072 HERC



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP425910   | --- | --- | --- |
| Sample Date   | 26 Jul 2023 | --- | --- | --- |
| Machine Hours | 2073        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Not Chngd   | --- | --- | --- |
| Sample Status | ATTENTION   | --- | --- | --- |

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## OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ▲ 272 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



## CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | ■ 2  | --- | --- | --- |
| Sodium    | ppm | ■ <1 | --- | --- | --- |
| Potassium | ppm | ■ <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 oil viscosity is higher than normal. Confirm oil type.



## WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | ■ 78 | --- | --- | --- |
| Copper     | ppm | ■ 4  | --- | --- | --- |
| Lead       | ppm | ■ 0  | --- | --- | --- |
| Tin        | ppm | ■ 0  | --- | --- | --- |
| Aluminum   | ppm | ■ <1 | --- | --- | --- |
| Chromium   | ppm | ■ <1 | --- | --- | --- |
| Molybdenum | ppm | ■ <1 | --- | --- | --- |
| Nickel     | ppm | ■ 0  | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | ■ 1  | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ■ 95   | --- | --- | --- |
| Magnesium  | ppm | ■ 3    | --- | --- | --- |
| Zinc       | ppm | ■ 126  | --- | --- | --- |
| Phosphorus | ppm | ■ 1063 | --- | --- | --- |
| Barium     | ppm | ■ 0    | --- | --- | --- |
| Boron      | ppm | ■ 95   | --- | --- | --- |

**Depot:** VOLVO8769  
**Unique No:** 10587570  
**Signed:** Don Baldrige  
**Report Date:** 07 Aug 2023

**VOLVO** **GRAPHS**

