



# CONSTRUCTION EQUIPMENT

687399 HERC VOLVO ECR145 314342 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP455084  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** 687399 HERC



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## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP455084   | --- | --- | --- |
| Sample Date   | 09 Mar 2024 | --- | --- | --- |
| Machine Hours | 2244        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |



## OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 140 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



## CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Water     | %   | NEG  | --- | --- | --- |
| Silicon   | ppm | █ 26 | --- | --- | --- |
| Sodium    | ppm | █ 4  | --- | --- | --- |
| Potassium | ppm | █ 2  | --- | --- | --- |



## WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | ▲ 830 | --- | --- | --- |
| Copper     | ppm | █ 3   | --- | --- | --- |
| Lead       | ppm | █ 1   | --- | --- | --- |
| Tin        | ppm | ▲ 24  | --- | --- | --- |
| Aluminum   | ppm | █ 2   | --- | --- | --- |
| Chromium   | ppm | ▲ 14  | --- | --- | --- |
| Molybdenum | ppm | █ 1   | --- | --- | --- |
| Nickel     | ppm | █ 3   | --- | --- | --- |
| Titanium   | ppm | <1    | --- | --- | --- |
| Silver     | ppm | <1    | --- | --- | --- |
| Manganese  | ppm | █ 16  | --- | --- | --- |
| Vanadium   | ppm | <1    | --- | --- | --- |



## ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 98  | --- | --- | --- |
| Magnesium  | ppm | █ 2   | --- | --- | --- |
| Zinc       | ppm | █ 109 | --- | --- | --- |
| Phosphorus | ppm | █ 543 | --- | --- | --- |
| Barium     | ppm | █ 4   | --- | --- | --- |
| Boron      | ppm | █ 6   | --- | --- | --- |

## 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. The tin level is abnormal. The iron level is abnormal. The chromium level is abnormal. 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:** 10941425  
**Signed:** Sean Felton  
**Report Date:** 27 Mar 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

