



# CONSTRUCTION EQUIPMENT

## SW-30086-1 RANGO VOLVO R100E 121020 - RIGHT BRAKE



**Sample No:** VCP422759  
**Oil Type:** {unknown}  
**Job No:** SW-30086-1 RANGO



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP422759   | --- | --- | --- |
| Sample Date   | 20 Feb 2024 | --- | --- | --- |
| Machine Hours | 4057        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Not Chngd   | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |

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### OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 44.4 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Water     | %   | NEG  | --- | --- | --- |
| Silicon   | ppm | █ 44 | --- | --- | --- |
| Sodium    | ppm | █ 2  | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |



### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | █ 19  | --- | --- | --- |
| Copper     | ppm | ▲ 370 | --- | --- | --- |
| Lead       | ppm | █ <1  | --- | --- | --- |
| Tin        | ppm | █ <1  | --- | --- | --- |
| Aluminum   | ppm | █ 4   | --- | --- | --- |
| Chromium   | ppm | █ 0   | --- | --- | --- |
| Molybdenum | ppm | 0     | --- | --- | --- |
| Nickel     | ppm | █ 9   | --- | --- | --- |
| Titanium   | ppm | <1    | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | <1    | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |



### ADDITIVES

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Calcium    | ppm | 1907 | --- | --- | --- |
| Magnesium  | ppm | 9    | --- | --- | --- |
| Zinc       | ppm | 657  | --- | --- | --- |
| Phosphorus | ppm | 646  | --- | --- | --- |
| Barium     | ppm | 0    | --- | --- | --- |
| Boron      | ppm | <1   | --- | --- | --- |

### Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO8770  
**Unique No:** 10900268  
**Signed:** Jonathan Hester  
**Report Date:** 29 Feb 2024



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## GRAPHS

