



# CONSTRUCTION EQUIPMENT

## HERC VOLVO A30G 752902 - BRAKE COOLING SYSTEM



**Sample No:** VCP436023  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** HERC



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### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP436023   | --- | --- | --- |
| Sample Date   | 11 Oct 2023 | --- | --- | --- |
| Machine Hours | 1074        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |



### OIL CONDITION

|             |     |      |     |     |     |
|-------------|-----|------|-----|-----|-----|
| Visc @ 40°C | cSt | 44.1 | --- | --- | --- |
|-------------|-----|------|-----|-----|-----|



### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | █ 14 | --- | --- | --- |
| Sodium    | ppm | █ 3  | --- | --- | --- |
| Potassium | ppm | █ 3  | --- | --- | --- |



### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | █ 5   | --- | --- | --- |
| Copper     | ppm | ▲ 202 | --- | --- | --- |
| Lead       | ppm | █ 2   | --- | --- | --- |
| Tin        | ppm | █ <1  | --- | --- | --- |
| Aluminum   | ppm | █ <1  | --- | --- | --- |
| Chromium   | ppm | █ 0   | --- | --- | --- |
| Molybdenum | ppm | █ 0   | --- | --- | --- |
| Nickel     | ppm | █ <1  | --- | --- | --- |
| Titanium   | ppm | █ 0   | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | █ 1   | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |



### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 3624 | --- | --- | --- |
| Magnesium  | ppm | █ 8    | --- | --- | --- |
| Zinc       | ppm | █ 1481 | --- | --- | --- |
| Phosphorus | ppm | █ 1268 | --- | --- | --- |
| Barium     | ppm | █ 1    | --- | --- | --- |
| Boron      | ppm | █ 127  | --- | --- | --- |

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. 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:** VOLVO0093  
**Unique No:** 10739715  
**Signed:** Jonathan Hester  
**Report Date:** 15 Nov 2023



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## GRAPHS

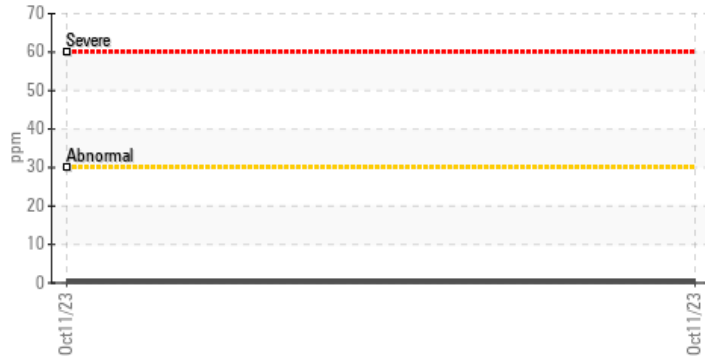
### Iron (ppm)



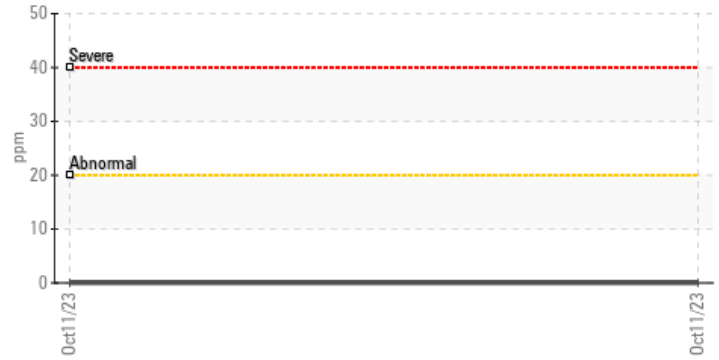
### Lead (ppm)



### Aluminum (ppm)



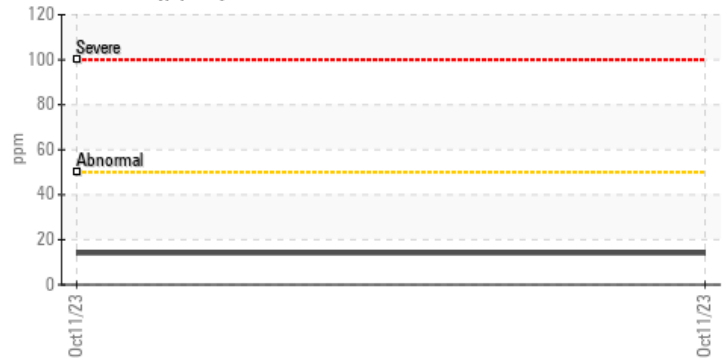
### Chromium (ppm)



### ▲ Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

