



# CONSTRUCTION EQUIPMENT

## A10915 RMR VOLVO L150F 14545 - HYDRAULIC SYSTEM



**Sample No:** VCP413718  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A10915 RMR



**HOFFMAN EQUIPMENT - LIONVILLE**  
 120 GORDON DRIVE  
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### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP413718</b>   | VCP363940   | --- | --- |
| Sample Date   | <b>15 Aug 2023</b> | 01 Sep 2022 | --- | --- |
| Machine Hours | <b>25730</b>       | 23486       | --- | --- |
| Oil Hours     | <b>1000</b>        | 0           | --- | --- |
| Oil Changed   | <b>Not Chngd</b>   | Changed     | --- | --- |
| Sample Status | <b>ABNORMAL</b>    | ABNORMAL    | --- | --- |



### OIL CONDITION

|                  |          |             |      |     |     |
|------------------|----------|-------------|------|-----|-----|
| Visc @ 40°C      | cSt      | <b>47.5</b> | 43.8 | --- | --- |
| Acid Number (AN) | mg KOH/g | <b>0.37</b> | 0.53 | --- | --- |



### CONTAMINATION

|                   |     |              |          |     |     |
|-------------------|-----|--------------|----------|-----|-----|
| Particles >4µm    |     | ---          | ▲ 21965  | --- | --- |
| Particles >6µm    |     | ---          | 954      | --- | --- |
| Particles >14µm   |     | ---          | 41       | --- | --- |
| ISO 4406:1999 (c) |     | ---          | 22/17/13 | --- | --- |
| Silicon           | ppm | <b>&lt;1</b> | <1       | --- | --- |
| Sodium            | ppm | <b>0</b>     | 0        | --- | --- |
| Potassium         | ppm | <b>0</b>     | <1       | --- | --- |



### WEAR METALS

|            |     |              |    |     |     |
|------------|-----|--------------|----|-----|-----|
| Iron       | ppm | <b>&lt;1</b> | 1  | --- | --- |
| Copper     | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Lead       | ppm | <b>0</b>     | <1 | --- | --- |
| Tin        | ppm | <b>0</b>     | 0  | --- | --- |
| Aluminum   | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Chromium   | ppm | <b>1</b>     | 0  | --- | --- |
| Molybdenum | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Nickel     | ppm | <b>0</b>     | 0  | --- | --- |
| Titanium   | ppm | <b>0</b>     | <1 | --- | --- |
| Silver     | ppm | <b>0</b>     | 0  | --- | --- |
| Manganese  | ppm | <b>&lt;1</b> | 0  | --- | --- |
| Vanadium   | ppm | <b>&lt;1</b> | 0  | --- | --- |



### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>149</b> | 83  | --- | --- |
| Magnesium  | ppm | <b>4</b>   | 5   | --- | --- |
| Zinc       | ppm | <b>449</b> | 597 | --- | --- |
| Phosphorus | ppm | <b>363</b> | 464 | --- | --- |
| Barium     | ppm | <b>0</b>   | 1   | --- | --- |
| Boron      | ppm | <b>0</b>   | <1  | --- | --- |

### Diagnosis

Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** VOLVO8879  
**Unique No:** 10617995  
**Signed:** Angela Borella  
**Report Date:** 25 Aug 2023

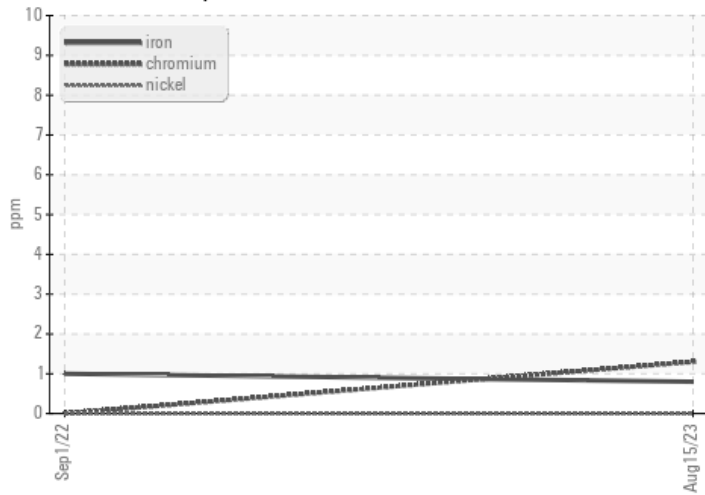


# CONSTRUCTION EQUIPMENT

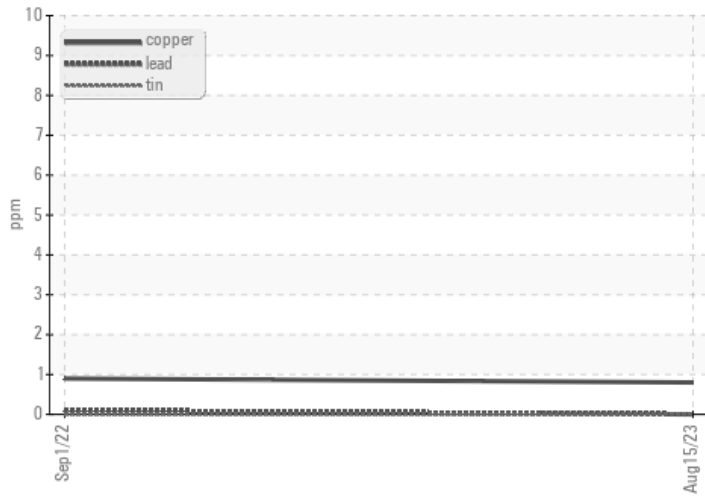


## GRAPHS

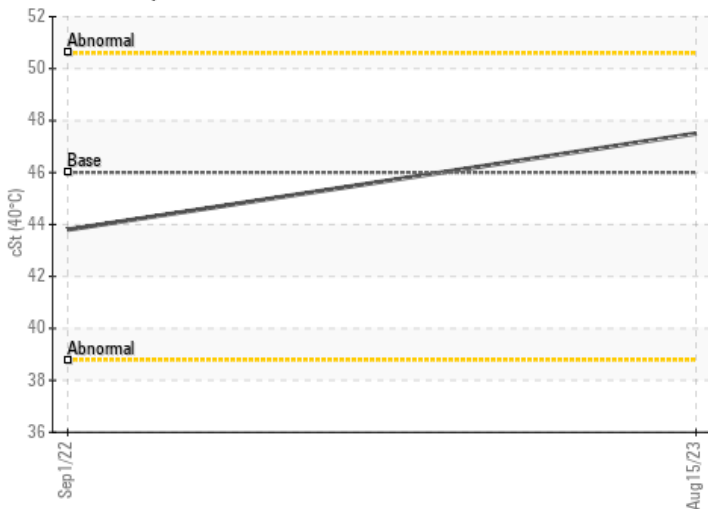
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

