



# CONSTRUCTION EQUIPMENT

SPM689452 RENTAL TAKEUCHI TB2150LR 601157 - HYDRAULIC SYSTEM



**Sample No:** VCP445885  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM689452 RENTAL



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP445885   | --- | --- | --- |
| Sample Date   | 05 Apr 2024 | --- | --- | --- |
| Machine Hours | 1525        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |

## ALTA EQUIPMENT COMPANY

5210 REESE ROAD  
DAVIE, FL  
US 33314  
Contact: N. FACEY  
nfacey@altaequipfl.com  
T: (954)581-4744  
F: (954)583-0318



## OIL CONDITION

|                  |          |        |     |     |     |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C      | cSt      | █ 47.5 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.53 | --- | --- | --- |



## CONTAMINATION

|                   |     |          |     |     |     |
|-------------------|-----|----------|-----|-----|-----|
| Water             | %   | NEG      | --- | --- | --- |
| Particles >4µm    |     | ▲ 15926  | --- | --- | --- |
| Particles >6µm    |     | ▲ 3788   | --- | --- | --- |
| Particles >14µm   |     | ▲ 274    | --- | --- | --- |
| ISO 4406:1999 (c) |     | 21/19/15 | --- | --- | --- |
| Silicon           | ppm | █ 8      | --- | --- | --- |
| Sodium            | ppm | █ 1      | --- | --- | --- |
| Potassium         | ppm | █ 0      | --- | --- | --- |

## Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



## WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | █ 7  | --- | --- | --- |
| Copper     | ppm | █ 3  | --- | --- | --- |
| Lead       | ppm | █ 0  | --- | --- | --- |
| Tin        | ppm | █ 0  | --- | --- | --- |
| Aluminum   | ppm | █ 0  | --- | --- | --- |
| Chromium   | ppm | █ 0  | --- | --- | --- |
| Molybdenum | ppm | █ 10 | --- | --- | --- |
| Nickel     | ppm | █ 0  | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | █ <1 | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



## ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 214 | --- | --- | --- |
| Magnesium  | ppm | █ 100 | --- | --- | --- |
| Zinc       | ppm | █ 200 | --- | --- | --- |
| Phosphorus | ppm | █ 347 | --- | --- | --- |
| Barium     | ppm | █ 0   | --- | --- | --- |
| Boron      | ppm | █ 8   | --- | --- | --- |

**Depot:** VOLVO0095  
**Unique No:** 10968974  
**Signed:** Don Baldrige  
**Report Date:** 12 Apr 2024

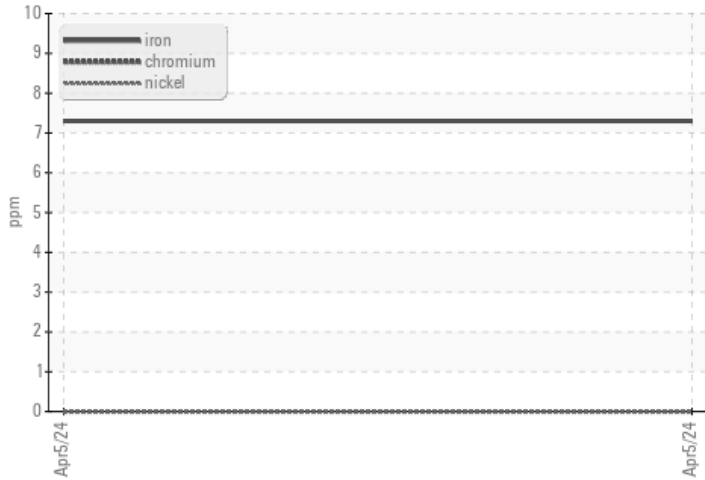


# CONSTRUCTION EQUIPMENT

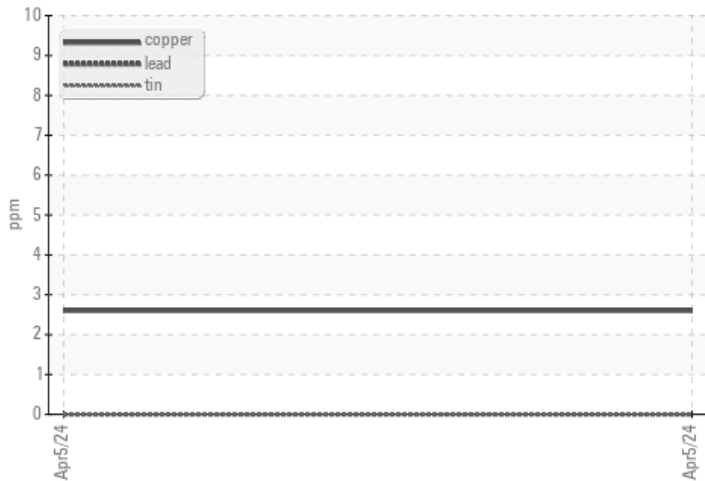


## GRAPHS

### Ferrous Alloys



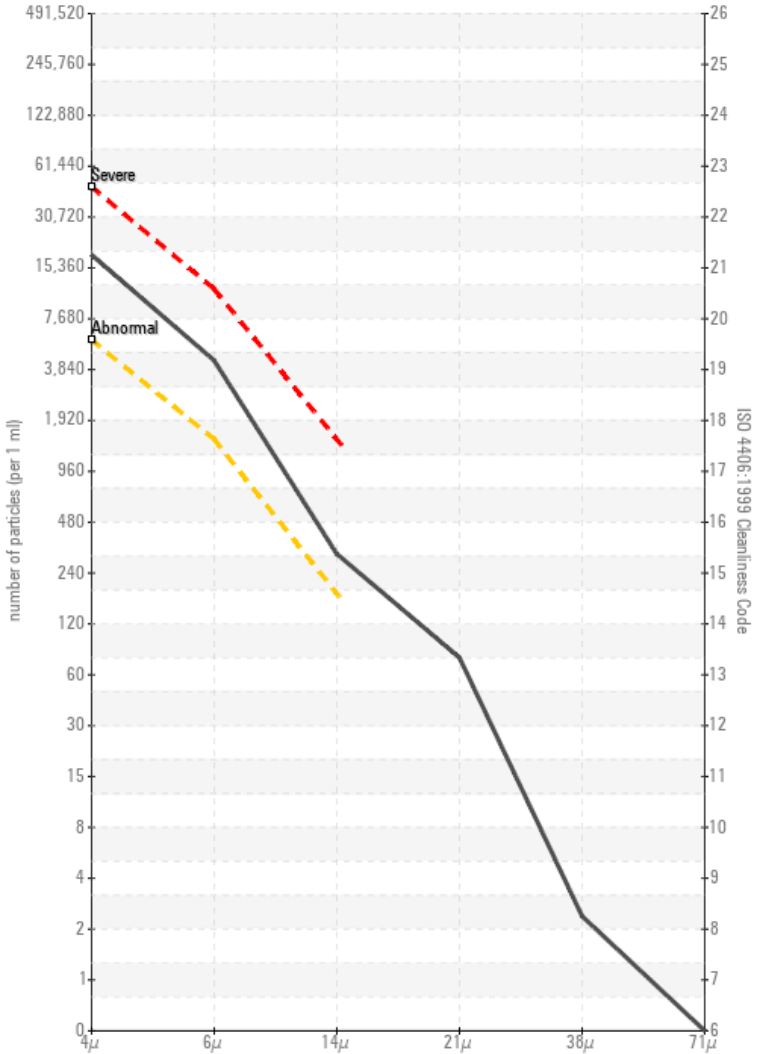
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

