



# CONSTRUCTION EQUIPMENT

VALBRUNA 393582 VOLVO L150H 7150 - HYDRAULIC SYSTEM



**Sample No:** VCP450295  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 393582



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP450295   | --- | --- | --- |
| Sample Date   | 02 Feb 2024 | --- | --- | --- |
| Machine Hours | 2059        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Not Chngd   | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |

### STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.  
Burlington, ON  
CA L7L 4Y1  
Contact: Sue Hooton  
shooton@strongco.com  
T: (905)331-3835  
F: (905)643-6077



## OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 42.3 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



## CONTAMINATION

|                   |     |          |     |     |     |
|-------------------|-----|----------|-----|-----|-----|
| Water             | %   | NEG      | --- | --- | --- |
| Particles >4µm    |     | ▲ 43678  | --- | --- | --- |
| Particles >6µm    |     | ▲ 5734   | --- | --- | --- |
| Particles >14µm   |     | ▲ 173    | --- | --- | --- |
| ISO 4406:1999 (c) |     | 23/20/15 | --- | --- | --- |
| Silicon           | ppm | █ 1      | --- | --- | --- |
| Sodium            | ppm | █ <1     | --- | --- | --- |
| Potassium         | ppm | █ <1     | --- | --- | --- |

### Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.  
All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



## WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | █ 3  | --- | --- | --- |
| Copper     | ppm | █ 2  | --- | --- | --- |
| Lead       | ppm | █ 1  | --- | --- | --- |
| Tin        | ppm | █ 0  | --- | --- | --- |
| Aluminum   | ppm | █ <1 | --- | --- | --- |
| Chromium   | ppm | █ 2  | --- | --- | --- |
| Molybdenum | ppm | █ 0  | --- | --- | --- |
| Nickel     | ppm | █ 0  | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | █ 0  | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



## ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 60  | --- | --- | --- |
| Magnesium  | ppm | █ <1  | --- | --- | --- |
| Zinc       | ppm | █ 419 | --- | --- | --- |
| Phosphorus | ppm | █ 338 | --- | --- | --- |
| Barium     | ppm | █ 0   | --- | --- | --- |
| Boron      | ppm | █ 0   | --- | --- | --- |

**Depot:** VOLV00252  
**Unique No:** 5724149  
**Signed:** Wes Davis  
**Report Date:** 13 Feb 2024

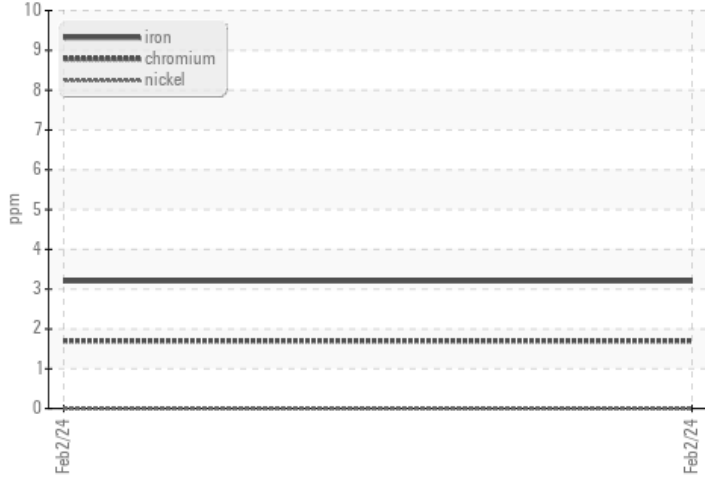


# CONSTRUCTION EQUIPMENT

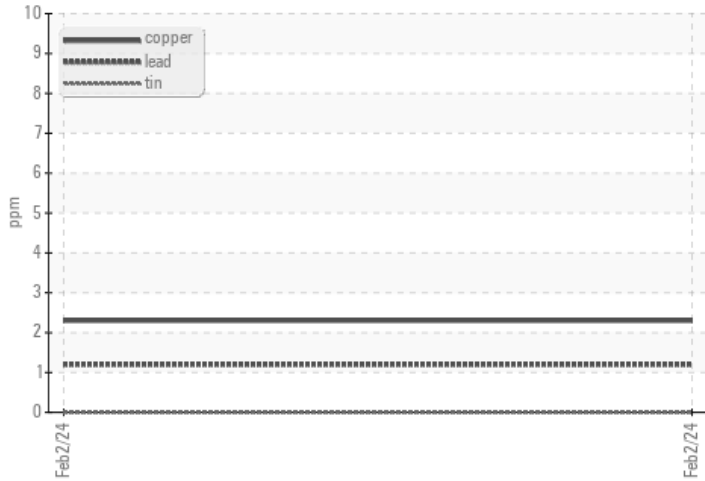


## GRAPHS

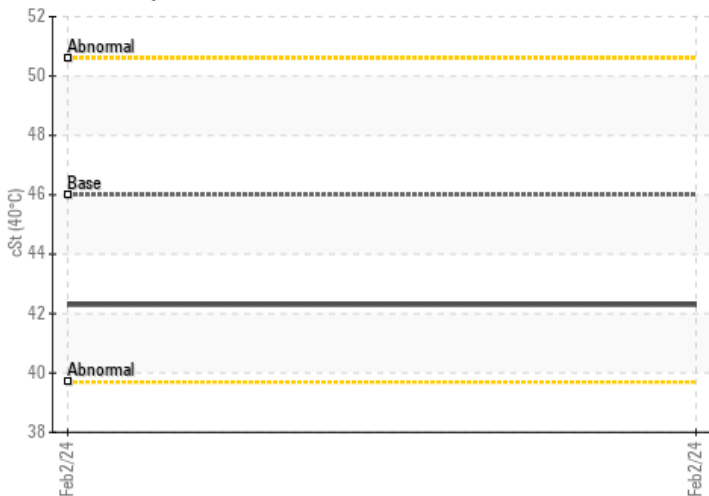
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### ▲ Particle Count

