



# CONSTRUCTION EQUIPMENT

## SPM549962 VOLVO L220H 3382 - HYDRAULIC SYSTEM



**Sample No:** VCP454884  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM549962



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP454884   | --- | --- | --- |
| Sample Date   | 11 May 2024 | --- | --- | --- |
| Machine Hours | 6129        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | ATTENTION   | --- | --- | --- |

**COVANTA**  
 350 FLAKENBURG ROAD  
 TAMPA, FL  
 US 33619  
 Contact: SERVICE MANAGER



### OIL CONDITION

|                  |          |        |     |     |     |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C      | cSt      | █ 42.0 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.48 | --- | --- | --- |

T: (813)684-5688  
 F:



### CONTAMINATION

|                   |     |          |     |     |     |
|-------------------|-----|----------|-----|-----|-----|
| Water             | %   | NEG      | --- | --- | --- |
| Particles >4µm    |     | ● 9205   | --- | --- | --- |
| Particles >6µm    |     | ● 2138   | --- | --- | --- |
| Particles >14µm   |     | █ 134    | --- | --- | --- |
| ISO 4406:1999 (c) |     | 20/18/14 | --- | --- | --- |
| Silicon           | ppm | █ 2      | --- | --- | --- |
| Sodium            | ppm | █ 2      | --- | --- | --- |
| Potassium         | ppm | █ 0      | --- | --- | --- |

**Diagnosis**  
 The 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 light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Iron       | ppm | █ 6 | --- | --- | --- |
| Copper     | ppm | █ 2 | --- | --- | --- |
| Lead       | ppm | █ 1 | --- | --- | --- |
| Tin        | ppm | █ 0 | --- | --- | --- |
| Aluminum   | ppm | █ 0 | --- | --- | --- |
| Chromium   | ppm | █ 2 | --- | --- | --- |
| Molybdenum | ppm | █ 0 | --- | --- | --- |
| Nickel     | ppm | █ 0 | --- | --- | --- |
| Titanium   | ppm | 0   | --- | --- | --- |
| Silver     | ppm | 0   | --- | --- | --- |
| Manganese  | ppm | █ 0 | --- | --- | --- |
| Vanadium   | ppm | 0   | --- | --- | --- |



### ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 51  | --- | --- | --- |
| Magnesium  | ppm | █ <1  | --- | --- | --- |
| Zinc       | ppm | █ 428 | --- | --- | --- |
| Phosphorus | ppm | █ 328 | --- | --- | --- |
| Barium     | ppm | █ 0   | --- | --- | --- |
| Boron      | ppm | █ 0   | --- | --- | --- |

**Depot:** COVTAM  
**Unique No:** 11035550  
**Signed:** Wes Davis  
**Report Date:** 21 May 2024

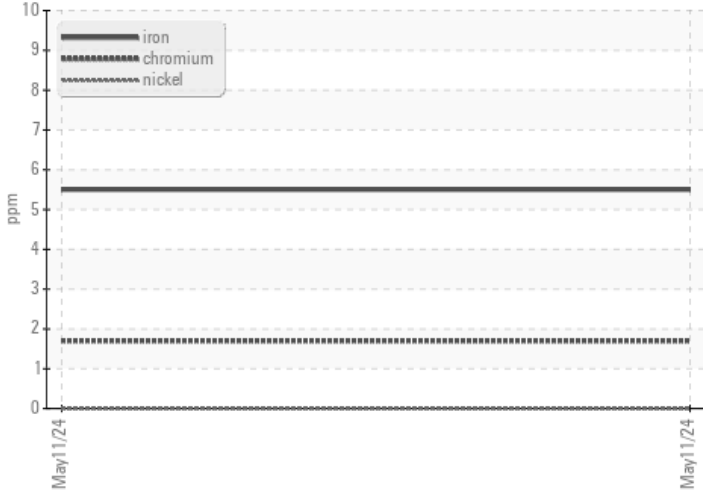


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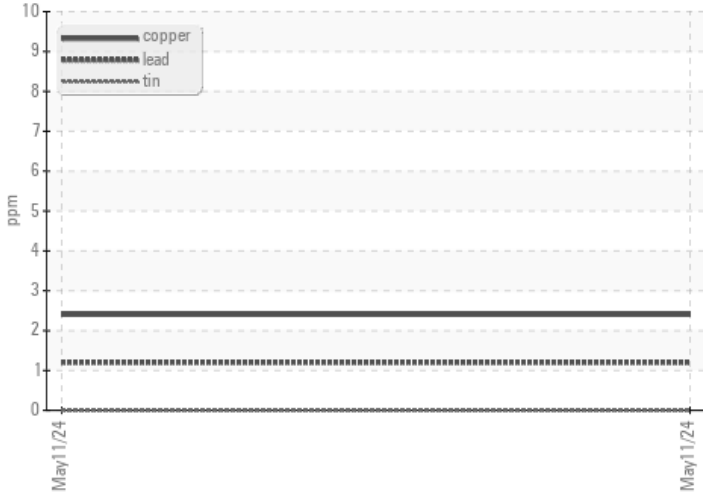


## GRAPHS

### Ferrous Alloys



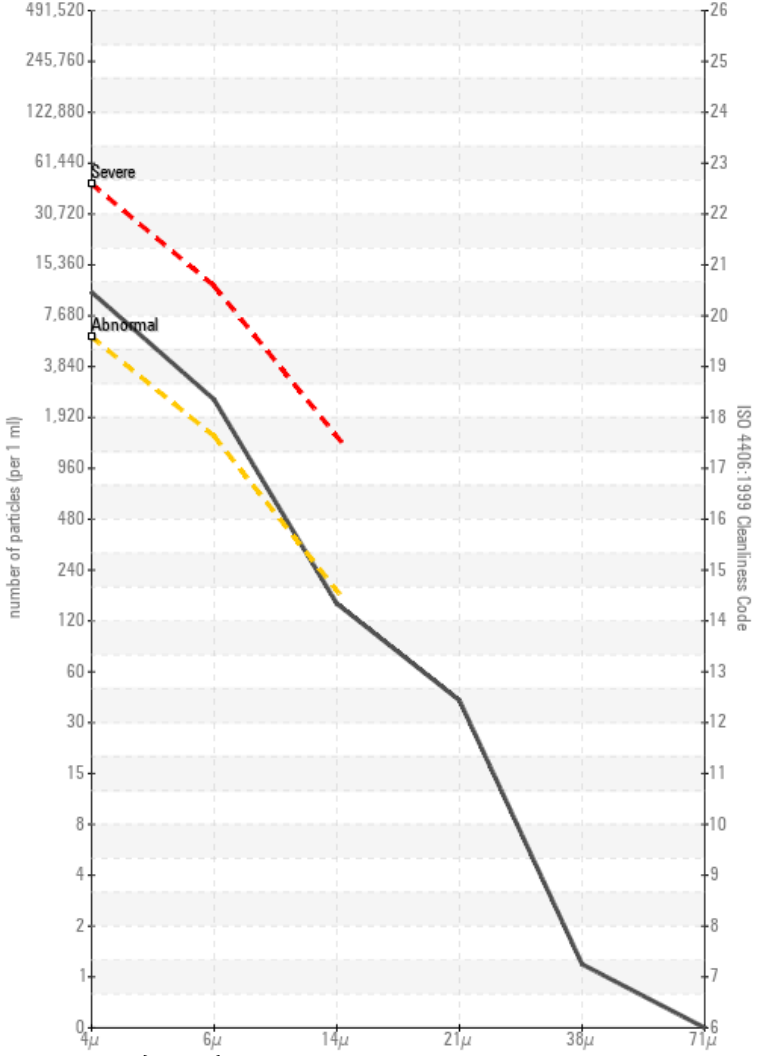
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

