



# CONSTRUCTION EQUIPMENT

## 24535 VOLVO SD75 241244 - HYDRAULIC SYSTEM



**Sample No:** VCP429021  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 24535



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP429021   | --- | --- | --- |
| Sample Date   | 06 Dec 2023 | --- | --- | --- |
| Machine Hours | 487         | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | ATTENTION   | --- | --- | --- |

218 - ASCENDUM MACHINERY INC - N. CHARLESTON  
 7235 CROSS COUNTRY RD.  
 NORTH CHARLESTON, SC  
 US 29418  
 Contact: MATT MITCHAM  
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 T:  
 F: (843)414-1129



### OIL CONDITION

|                  |          |        |     |     |     |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C      | cSt      | █ 48.1 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.46 | --- | --- | --- |



### CONTAMINATION

|                   |     |          |     |     |     |
|-------------------|-----|----------|-----|-----|-----|
| Water             | %   | NEG      | --- | --- | --- |
| Particles >4µm    |     | ▲ 8020   | --- | --- | --- |
| Particles >6µm    |     | █ 992    | --- | --- | --- |
| Particles >14µm   |     | █ 40     | --- | --- | --- |
| ISO 4406:1999 (c) |     | 20/17/12 | --- | --- | --- |
| Silicon           | ppm | █ 1      | --- | --- | --- |
| Sodium            | ppm | █ <1     | --- | --- | --- |
| Potassium         | ppm | █ 0      | --- | --- | --- |

### Diagnosis

We recommend you service the filters on this component. 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 | █ 0  | --- | --- | --- |
| Copper     | ppm | █ 2  | --- | --- | --- |
| Lead       | ppm | █ 0  | --- | --- | --- |
| Tin        | ppm | █ 0  | --- | --- | --- |
| Aluminum   | ppm | █ 0  | --- | --- | --- |
| Chromium   | ppm | █ 0  | --- | --- | --- |
| Molybdenum | ppm | █ <1 | --- | --- | --- |
| Nickel     | ppm | █ 0  | --- | --- | --- |
| Titanium   | ppm | <1   | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | █ 0  | --- | --- | --- |
| Vanadium   | ppm | <1   | --- | --- | --- |



### ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 123 | --- | --- | --- |
| Magnesium  | ppm | █ 2   | --- | --- | --- |
| Zinc       | ppm | █ 424 | --- | --- | --- |
| Phosphorus | ppm | █ 358 | --- | --- | --- |
| Barium     | ppm | █ 0   | --- | --- | --- |
| Boron      | ppm | █ 1   | --- | --- | --- |

**Depot:** VOLVO3387  
**Unique No:** 10783225  
**Signed:** Wes Davis  
**Report Date:** 14 Dec 2023

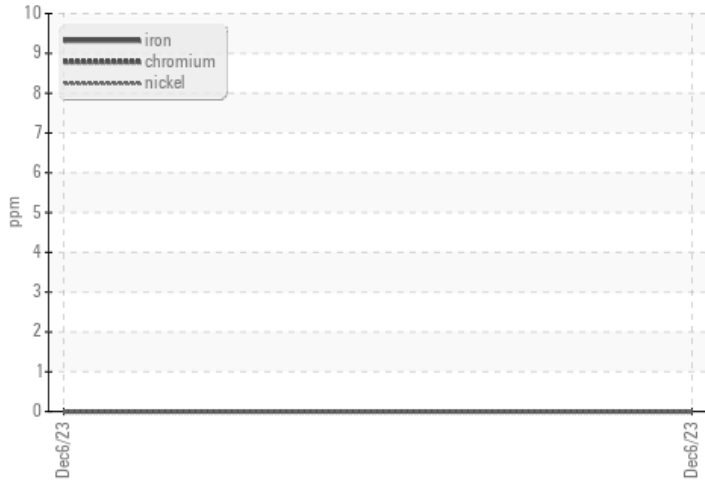


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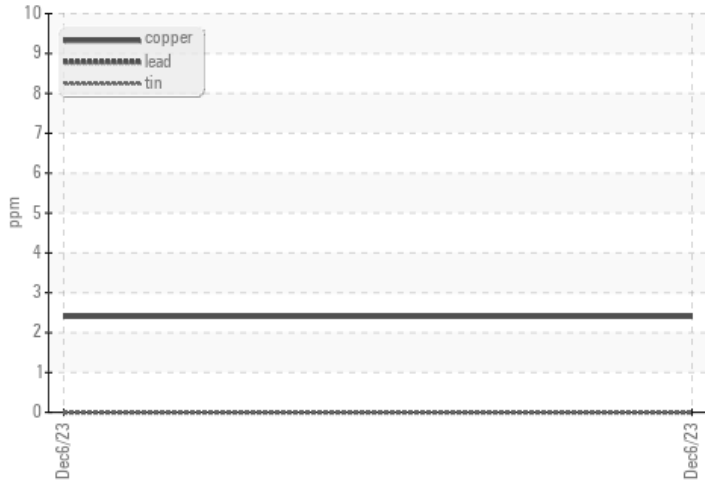


## GRAPHS

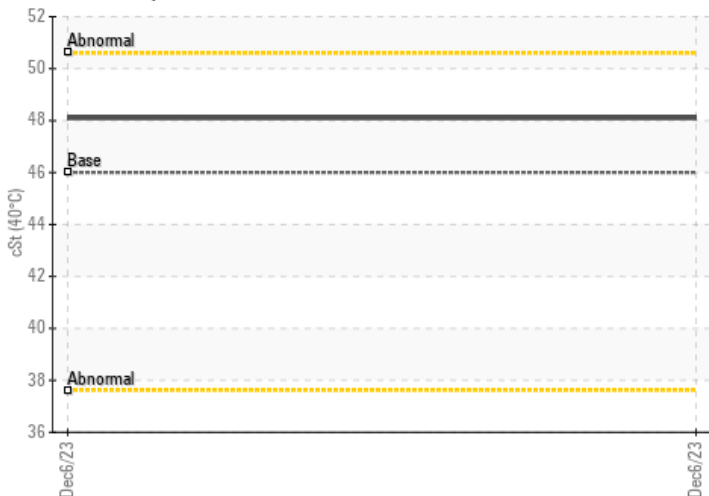
### Ferrous Alloys



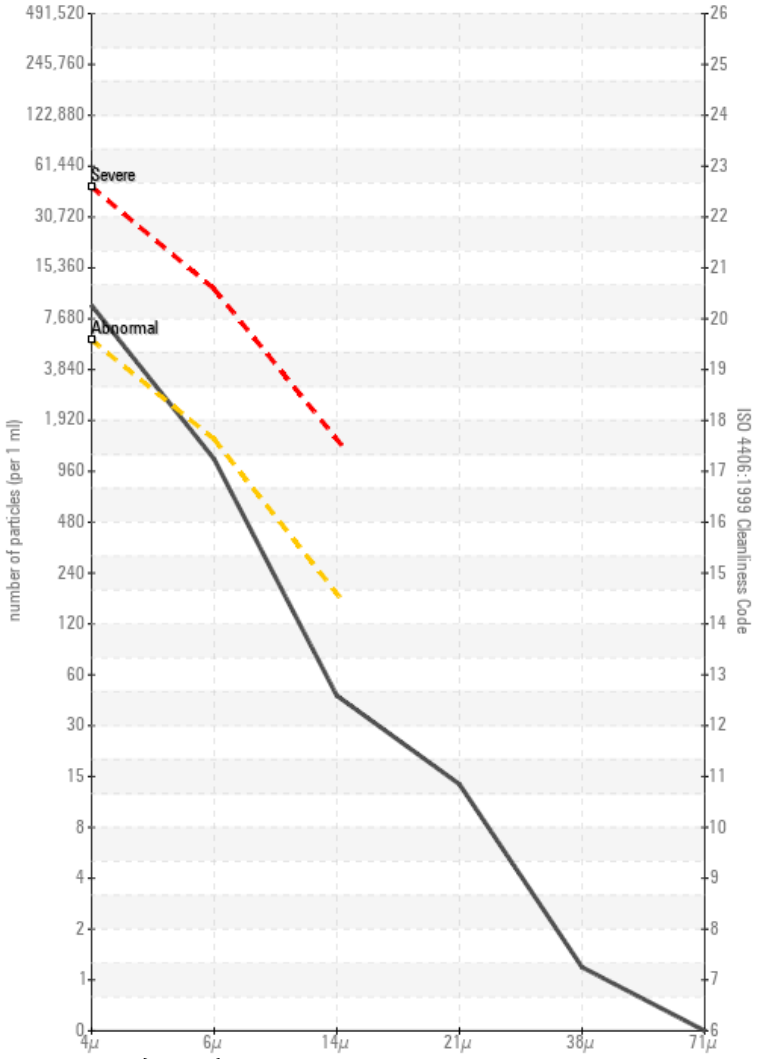
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

