



# CONSTRUCTION EQUIPMENT

## X58888 VOLVO ECR235EL 315288 - HYDRAULIC SYSTEM



**Sample No:** VCP426136

**Oil Type:** NOT GIVEN

**Job No:** X58888



### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP426136</b>   | VCP385994   | --- | --- |
| Sample Date   | <b>20 Nov 2023</b> | 19 May 2023 | --- | --- |
| Machine Hours | <b>1955</b>        | 1237        | --- | --- |
| Oil Hours     | <b>0</b>           | 0           | --- | --- |
| Oil Changed   | <b>Changed</b>     | Not Changd  | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |

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### OIL CONDITION

|                  |          |             |      |     |     |
|------------------|----------|-------------|------|-----|-----|
| Visc @ 40°C      | cSt      | <b>41.8</b> | 42.1 | --- | --- |
| Acid Number (AN) | mg KOH/g | <b>0.62</b> | 0.53 | --- | --- |



### CONTAMINATION

|                   |     |                |          |     |     |
|-------------------|-----|----------------|----------|-----|-----|
| Water             | %   | <b>NEG</b>     | NEG      | --- | --- |
| Particles >4µm    |     | <b>1100</b>    | 39697    | --- | --- |
| Particles >6µm    |     | <b>102</b>     | 5500     | --- | --- |
| Particles >14µm   |     | <b>3</b>       | 231      | --- | --- |
| ISO 4406:1999 (c) |     | <b>17/14/9</b> | 22/20/15 | --- | --- |
| Silicon           | ppm | <b>7</b>       | 5        | --- | --- |
| Sodium            | ppm | <b>0</b>       | 1        | --- | --- |
| Potassium         | ppm | <b>2</b>       | 1        | --- | --- |

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

|            |     |              |    |     |     |
|------------|-----|--------------|----|-----|-----|
| Iron       | ppm | <b>2</b>     | 2  | --- | --- |
| Copper     | ppm | <b>30</b>    | 22 | --- | --- |
| Lead       | ppm | <b>&lt;1</b> | 0  | --- | --- |
| Tin        | ppm | <b>0</b>     | <1 | --- | --- |
| Aluminum   | ppm | <b>2</b>     | 0  | --- | --- |
| Chromium   | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Molybdenum | ppm | <b>0</b>     | 0  | --- | --- |
| Nickel     | ppm | <b>0</b>     | <1 | --- | --- |
| Titanium   | ppm | <b>&lt;1</b> | 0  | --- | --- |
| Silver     | ppm | <b>0</b>     | 0  | --- | --- |
| Manganese  | ppm | <b>0</b>     | <1 | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0  | --- | --- |



### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>96</b>  | 73  | --- | --- |
| Magnesium  | ppm | <b>1</b>   | <1  | --- | --- |
| Zinc       | ppm | <b>507</b> | 573 | --- | --- |
| Phosphorus | ppm | <b>382</b> | 416 | --- | --- |
| Barium     | ppm | <b>0</b>   | 0   | --- | --- |
| Boron      | ppm | <b>0</b>   | 0   | --- | --- |

**Depot:** SCOSAI  
**Unique No:** 10755447  
**Signed:** Wes Davis  
**Report Date:** 27 Nov 2023

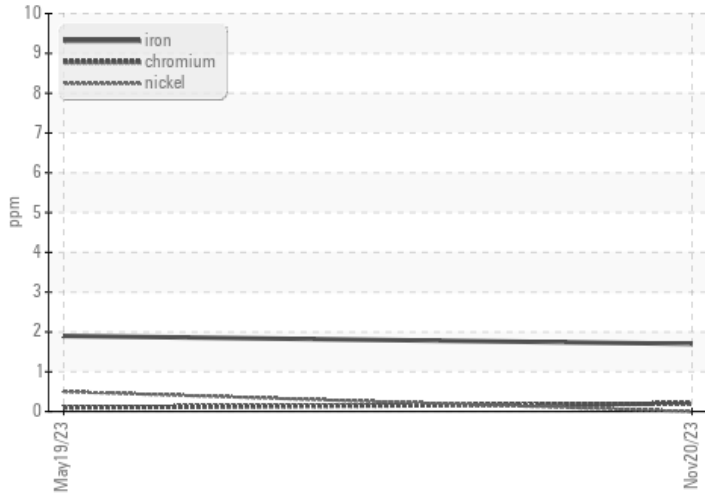


# CONSTRUCTION EQUIPMENT

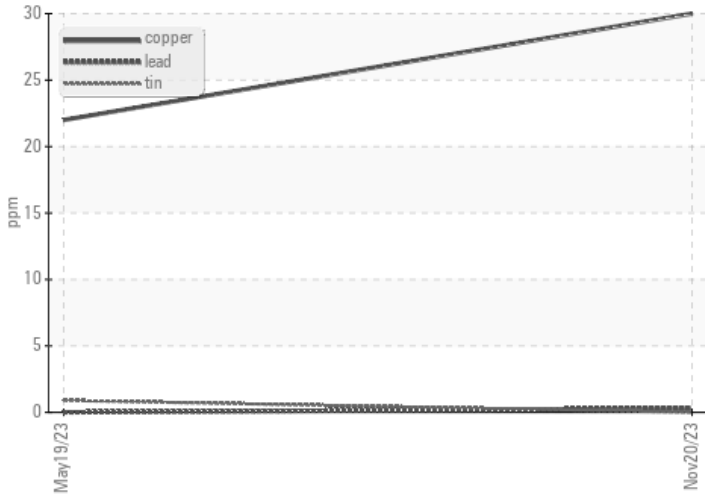


## GRAPHS

### Ferrous Alloys



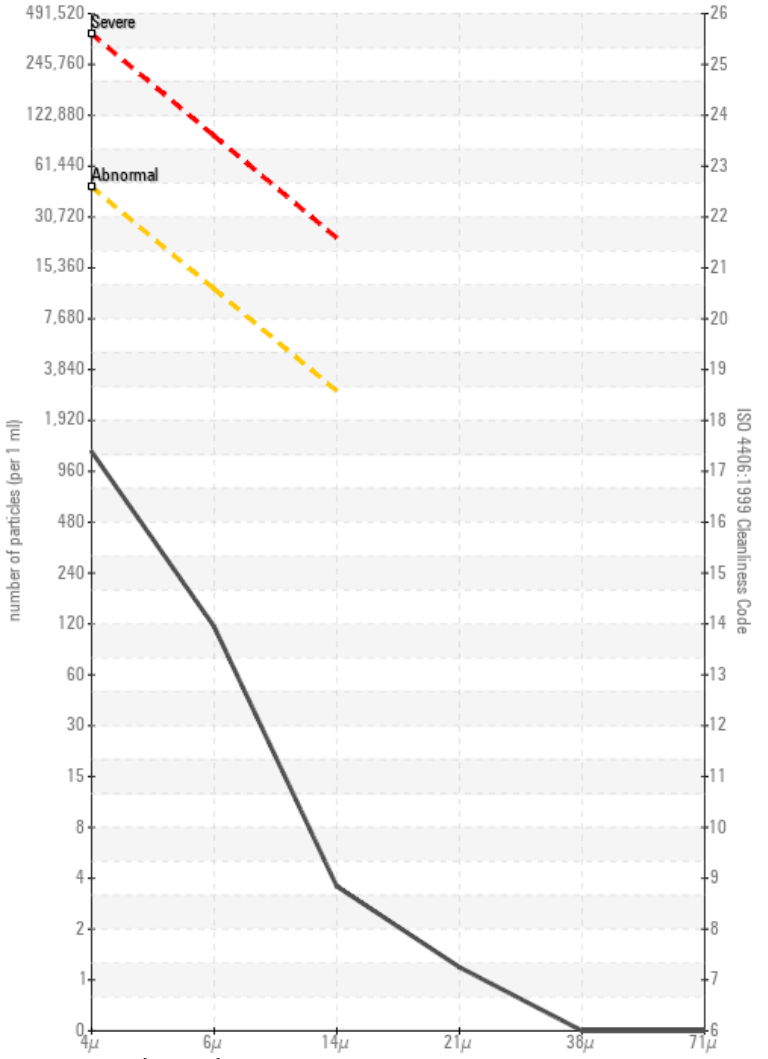
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

