



# CONSTRUCTION EQUIPMENT

## VOLVO EC750E 314101 - DIESEL ENGINE



**Sample No:** VCP419605

**Oil Type:** NOT GIVEN

**Job No:**



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP419605</b>   | VCP321132   | VCP365883   | VCP377950   |
| Sample Date   | <b>20 Jun 2023</b> | 07 Nov 2022 | 05 Oct 2022 | 29 Aug 2022 |
| Machine Hours | <b>4232</b>        | 384         | 3558        | 3206        |
| Oil Hours     | <b>0</b>           | 0           | 0           | 0           |
| Oil Changed   | <b>N/A</b>         | Changed     | Not Changd  | Changed     |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |



### OIL CONDITION

|                  |          |             |      |      |      |
|------------------|----------|-------------|------|------|------|
| Visc @ 100°C     | cSt      | <b>13.1</b> | 13.0 | 13.0 | 13.1 |
| Base Number (BN) | mg KOH/g | <b>7.9</b>  | 6.7  | 8.2  | 5.2  |
| Oxidation (PA)   | %        | <b>88</b>   | 104  | 87   | 122  |



### CONTAMINATION

|                |     |                |      |      |      |
|----------------|-----|----------------|------|------|------|
| Soot %         | %   | <b>0.5</b>     | 0.8  | 0.6  | 1.5  |
| Nitration (PA) | %   | <b>89</b>      | 102  | 81   | 114  |
| Sulfation (PA) | %   | <b>72</b>      | 78   | 73   | 86   |
| Glycol         | %   | <b>NEG</b>     | NEG  | NEG  | NEG  |
| Fuel           | %   | <b>&lt;1.0</b> | <1.0 | <1.0 | <1.0 |
| Silicon        | ppm | <b>9</b>       | 8    | 7    | 9    |
| Sodium         | ppm | <b>2</b>       | 1    | <1   | 3    |
| Potassium      | ppm | <b>4</b>       | 2    | 1    | 1    |



### WEAR METALS

|            |     |              |     |     |     |
|------------|-----|--------------|-----|-----|-----|
| Iron       | ppm | <b>13</b>    | 24  | 12  | 66  |
| Copper     | ppm | <b>6</b>     | 10  | 8   | 24  |
| Lead       | ppm | <b>3</b>     | 2   | 1   | 4   |
| Tin        | ppm | <b>1</b>     | <1  | <1  | 1   |
| Aluminum   | ppm | <b>1</b>     | 4   | 3   | 4   |
| Chromium   | ppm | <b>&lt;1</b> | <1  | <1  | 1   |
| Molybdenum | ppm | <b>123</b>   | 132 | 120 | 115 |
| Nickel     | ppm | <b>2</b>     | <1  | <1  | <1  |
| Titanium   | ppm | <b>&lt;1</b> | <1  | 0   | 0   |
| Silver     | ppm | <b>&lt;1</b> | 0   | 0   | 0   |
| Manganese  | ppm | <b>1</b>     | <1  | <1  | 1   |
| Vanadium   | ppm | <b>0</b>     | 0   | 0   | 0   |



### ADDITIVES

|            |     |             |      |      |      |
|------------|-----|-------------|------|------|------|
| Calcium    | ppm | <b>1629</b> | 1565 | 1571 | 1454 |
| Magnesium  | ppm | <b>717</b>  | 654  | 683  | 632  |
| Zinc       | ppm | <b>879</b>  | 852  | 834  | 874  |
| Phosphorus | ppm | <b>714</b>  | 656  | 683  | 638  |
| Barium     | ppm | <b>5</b>    | 0    | 0    | 3    |
| Boron      | ppm | <b>176</b>  | 119  | 223  | 9    |



### ROMCO INC

1350 NE LOOP 820  
FORT WORTH, TX  
US 76106

Contact: CHRIS BITNER  
CBitner@romco.com

T:  
F: (817)626-8983

### 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. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

**Depot:** VOLVO0081  
**Unique No:** 10533350  
**Signed:** Wes Davis  
**Report Date:** 27 Jun 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

