**CONSTRUCTION EQUIPMENT** VOLVO EC350 310659 - FRONT LEFT FINAL DRIVE X47332



VOLVO

| JOD NO: X4/332    |             |      |
|-------------------|-------------|------|
| SAMPLE INFORMATIO | N           |      |
| Sample Number     | VCP417999   | <br> |
| Sample Date       | 23 Jul 2023 | <br> |
| Machine Hours     | 6125        | <br> |
| Oil Hours         | 0           | <br> |
| Oil Changed       | N/A         | <br> |
| Sample Status     | SEVERE      | <br> |
|                   |             |      |

| CONT      | AMINATION |            |      |  |
|-----------|-----------|------------|------|--|
| Water     | %         | • 1.26     | <br> |  |
| Silicon   | ppm       | 🛑 4880     | <br> |  |
| Sodium    | ppm       | <b>1</b> 6 | <br> |  |
| Potassium | ppm       | 57         | <br> |  |

| WEAR I     | METALS |           |      |  |
|------------|--------|-----------|------|--|
| Iron       | ppm    | 🛑 8867    | <br> |  |
| Copper     | ppm    | <b>15</b> | <br> |  |
| Lead       | ppm    | 0         | <br> |  |
| Tin        | ppm    | 2         | <br> |  |
| Aluminum   | ppm    | <u> </u>  | <br> |  |
| Chromium   | ppm    | 🛑 107     | <br> |  |
| Molybdenum | ppm    | <b>16</b> | <br> |  |
| Nickel     | ppm    | 8         | <br> |  |
| Titanium   | ppm    | 🔺 51      | <br> |  |
| Silver     | ppm    | 0         | <br> |  |
| Manganese  | ppm    | 68        | <br> |  |
| Vanadium   | ppm    | 1         | <br> |  |
|            |        |           |      |  |

| ADDITI     | VES |            |      |  |
|------------|-----|------------|------|--|
| Calcium    | ppm | 10         | <br> |  |
| Magnesium  | ppm | <b>16</b>  | <br> |  |
| Zinc       | ppm | 5          | <br> |  |
| Phosphorus | ppm | <b>142</b> | <br> |  |
| Barium     | ppm | 0          | <br> |  |
| Boron      | ppm | 3          | <br> |  |



SCOTT EQUIPMENT COMPANY LLC - Lake Charles

PO BOX 16955 LAKE CHARLES, LA US 70616 Contact: BREANNA DUNN bdunn@scottcompanies.com T: F: (318)433-6623

## Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Please note that the oil was too thick to perform some of the normal laboratory tests.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

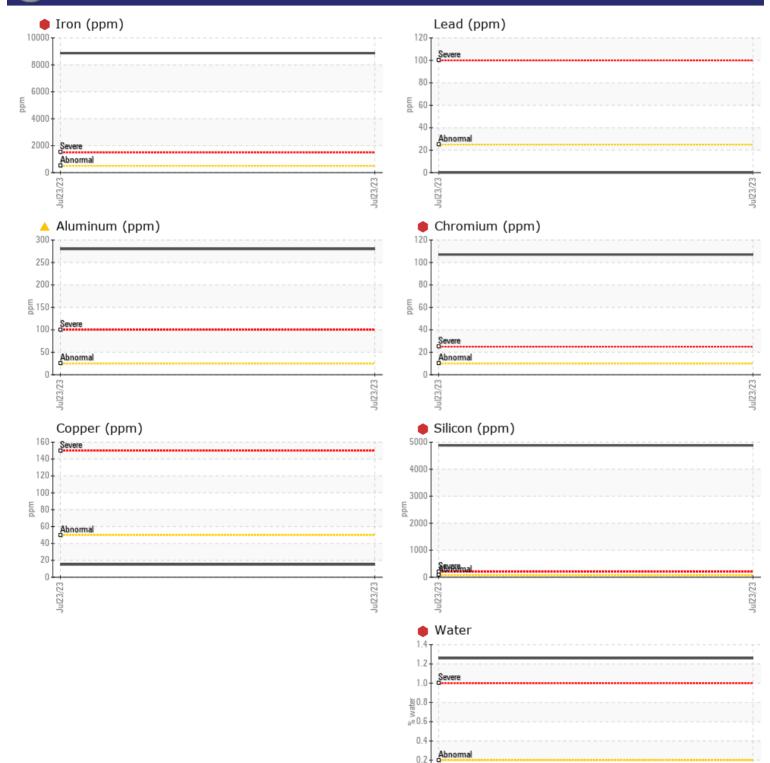
Depot: VOLVO6244 Unique No: 10577005 Signed: Jonathan Hester Report Date: 01 Aug 2023

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Jul23/23

Contact/Location: BREANNA DUNN - VOLVO6244

Jul23/23