CONSTRUCTION EQUIPMENT W07013902-2 VOLVO SD75B 241568 - DIESEL ENGINE

 Sample No:
 VCP409428

 Oil Type:
 VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

 Job No:
 W07013902-2

VOLVO

## SAMPLE INFORMATION VCP409428 Sample Number Sample Date 07 Dec 2023 Machine Hours 536 Oil Hours 536 Oil Changed Changed NORMAL Sample Status **OIL CONDITION** Visc @ 100°C cSt 12.8 Base Number (BN) mg KOH/g 9.9 Oxidation (PA) % 81

| CONTAI         | MINATION |          |      |  |
|----------------|----------|----------|------|--|
| Water          | %        | NEG      | <br> |  |
| Soot %         | %        | 0.2      | <br> |  |
| Nitration (PA) | %        | 63       | <br> |  |
| Sulfation (PA) | %        | 60       | <br> |  |
| Glycol         | %        | NEG      | <br> |  |
| Fuel           | %        | <1.0     | <br> |  |
| Silicon        | ppm      | 21       | <br> |  |
| Sodium         | ppm      | <b>4</b> | <br> |  |
| Potassium      | ppm      | 0        | <br> |  |

WFAR METAL

| WLAK I     | METALS |    |      |  |
|------------|--------|----|------|--|
| Iron       | ppm    | 15 | <br> |  |
| Copper     | ppm    | 28 | <br> |  |
| Lead       | ppm    | 0  | <br> |  |
| Tin        | ppm    |    | <br> |  |
| Aluminum   | ppm    | 3  | <br> |  |
| Chromium   | ppm    |    | <br> |  |
| Molybdenum | ppm    | 45 | <br> |  |
| Nickel     | ppm    | 0  | <br> |  |
| Titanium   | ppm    | 0  | <br> |  |
| Silver     | ppm    | 0  | <br> |  |
| Manganese  | ppm    | 2  | <br> |  |
| Vanadium   | ppm    | 0  | <br> |  |

| ADDITIVES  |     |             |  |  |  |  |  |  |
|------------|-----|-------------|--|--|--|--|--|--|
| Calcium    | ppm | <b>1744</b> |  |  |  |  |  |  |
| Magnesium  | ppm | 530         |  |  |  |  |  |  |
| Zinc       | ppm | 1142        |  |  |  |  |  |  |
| Phosphorus | ppm | 916         |  |  |  |  |  |  |
| Barium     | ppm | <b>1</b>    |  |  |  |  |  |  |
| Boron      | ppm | <b>48</b>   |  |  |  |  |  |  |

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND

1345 MOUNTAIN ROAD GLEN ALLEN, VA US 23060 Contact: KYLE RATLIFFE KRATLIFFE@MCCLUNG-LOGAN.COM T: F: (804)266-1611

## Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a components first oil change. 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:
 VOLVO8882

 Unique No:
 10781928

 Signed:
 Wes Davis

 Report Date:
 13 Dec 2023

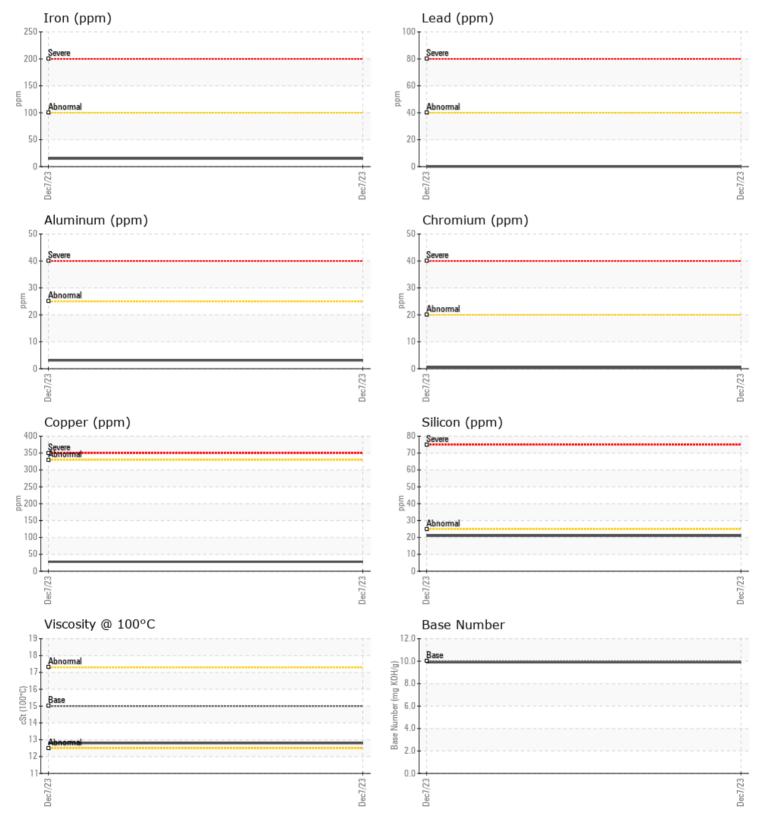
Contact/Location: KYLE RATLIFFE - VOLVO8882

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: VOLVO8882 [WUSCAR] 06032137 (Generated: 12/13/2023 10:41:58) Rev: 1

Contact/Location: KYLE RATLIFFE - VOLVO8882