**CONSTRUCTION EQUIPMENT** 4373DR KINSLEY CONST VOLVO A60H 350134 - DIESEL ENGINE

Sample No: VCP403711

VOLVO

**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: 4373DR KINSLEY CONST



Zinc

Barium

Boron

Phosphorus

## SAMPLE INFORMATION

|                  | AF URMA HUN |                   |  |  |  |
|------------------|-------------|-------------------|--|--|--|
| Sample Number    | -           | VCP403711         |  |  |  |
| Sample Date      |             | 03 Oct 2023       |  |  |  |
| Machine Hours    |             | 3608              |  |  |  |
| Oil Hours        |             | 500               |  |  |  |
| Oil Changed      |             | Changed           |  |  |  |
| Sample Status    |             | ATTENTION         |  |  |  |
|                  |             |                   |  |  |  |
|                  |             |                   |  |  |  |
| Visc @ 100°C     | cSt         | <b>13.8</b>       |  |  |  |
| Base Number (BN) | mg KOH/g    | 8.5               |  |  |  |
| Oxidation (PA)   | %           | 51                |  |  |  |
|                  |             |                   |  |  |  |
| CONTAMINATION    |             |                   |  |  |  |
| Soot %           | %           | 0.6               |  |  |  |
| Nitration (PA)   | %           | 60                |  |  |  |
| Sulfation (PA)   | %           | 50                |  |  |  |
| Glycol           | %           | NEG               |  |  |  |
| Fuel             | %           | <1.0              |  |  |  |
| Silicon          | ppm         | <b>4</b>          |  |  |  |
| Sodium           | ppm         | <mark>▲</mark> 96 |  |  |  |
| Potassium        | ppm         | 2                 |  |  |  |
| VOLVO            |             |                   |  |  |  |
| WEAR METALS      |             |                   |  |  |  |
| Iron             | ppm         | ∎11               |  |  |  |
| Copper           | ppm         | <b>4</b>          |  |  |  |
| Lead             | ppm         | □ <1              |  |  |  |
|                  |             |                   |  |  |  |

## **HIGHWAY EQUIPMENT & SUPPLY CO**

**PO BOX 127** DRUMS, PA US 18222 Contact: JUSTIN BLOSS justin@hwyequip.com T: (570)788-1127 F: (570)708-2933

## Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is negative. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Tin <1 ppm Aluminum ppm 4 Chromium ppm <1 Molybdenum 61 ppm Nickel ppm 1 Titanium 0 ppm Silver 0 ppm Manganese ppm <1 Vanadium 0 ppm **ADDITIVES** Calcium 1118 ppm Magnesium 864 ppm

> Depot: VOLVO0022 Unique No: 10687279 Signed: **Report Date:**

Jonathan Hester 13 Oct 2023

ppm

ppm

ppm

ppm

🔳 1185

1014

0 🔲

5

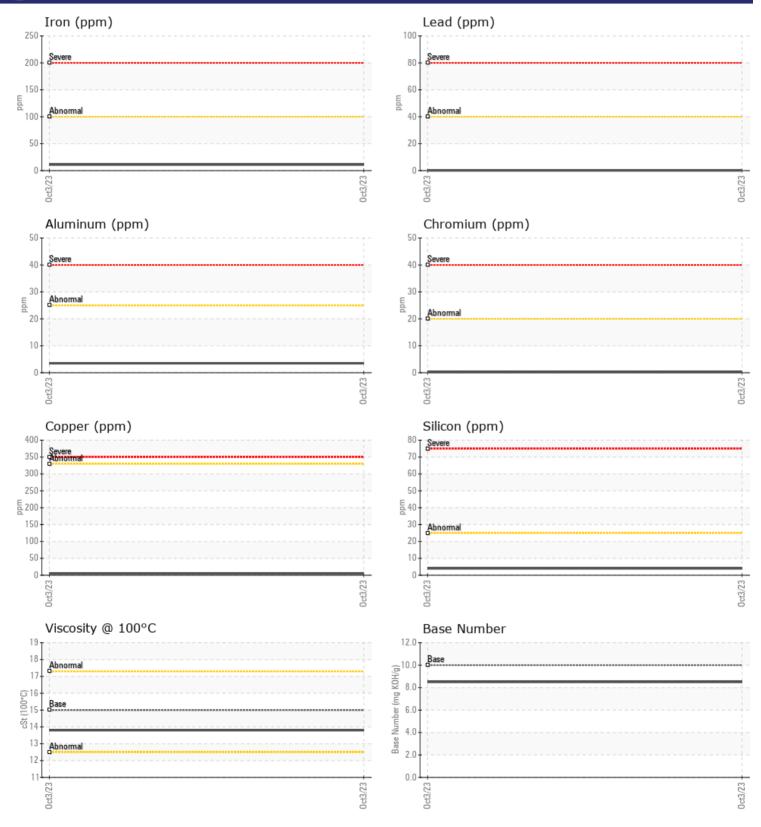
Contact/Location: JUSTIN BLOSS - VOLVO0022

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Contact/Location: JUSTIN BLOSS - VOLVO0022