

CONSTRUCTION EQUIPMENT

A68118 BOSWORTH CO VOLVO EC340D 210255 - DIESEL ENGINE



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

Job No: A68118 BOSWORTH CO

| Sample Number | SAMPLE II | NFORMATION | | | | | |
|--|------------------|------------|---------------|---|---|--|--|
| Sample Date 24 Jan 2024 | | | VCP420431 | | | | |
| Machine Hours 3549 | · | | | | | | |
| Oil Hours 400 | • | | | | | | |
| Oil Changed Not Changed Sample Status ABNORMAL Sample Status ABNORMAL Sample Status ABNORMAL | | | | | | | |
| Sample Status | | | | | | | |
| OIL CONDITION Visc @ 100°C cSt \$ 12.4 | | | | | | | |
| Oil Condition | Sample Status | | ADITORIVIAL | | | | |
| Visc @ 100°C cSt 12.4 | VOLVO | = | | | | | |
| Base Number (BN) mg KOH/g 7.0 | | | | | | | |
| Contamination Contaminatio Contamination Contamination Contamination Contamination | Visc @ 100°C | cSt | 12.4 | | | | |
| Value | Base Number (BN) | mg KOH/g | 7.0 | | | | |
| CONTAMINATION | Oxidation (PA) | % | 51 | | | | |
| CONTAMINATION | | | | | | | |
| Water % NEG <td>CUNTAMI</td> <td>NATION</td> <td></td> <td></td> <td></td> <td></td> | CUNTAMI | NATION | | | | | |
| Soot % | | | NEC | _ | _ | | |
| Nitration (PA) | | | | | | | |
| Sulfation (PA) % 49 | | | _ | | | | |
| Glycol | | | | | | | |
| Fuel | | | | | | | |
| Silicon ppm ■4 Sodium ppm ■2 Potassium ppm ■1 Iron ppm ■6 Copper ppm ■19 Lead ppm ■<1 | _ | | | | | | |
| Sodium | | | _ | | | | |
| Potassium ppm | | | | | | | |
| WEAR METALS Iron ppm 6 Copper ppm 19 Lead ppm <1 | | | | | | | |
| WEAR METALS Iron ppm 6 - | Potassium | ppm | - <1 | | | | |
| WEAR METALS Iron ppm 6 - | VOLVO | | | | | | |
| Copper ppm 19 </td <td>WEAR ME</td> <td>TALS</td> <td></td> <td></td> <td></td> <td></td> | WEAR ME | TALS | | | | | |
| Copper ppm 19 </td <td>Iron</td> <td>mag</td> <td>16</td> <td></td> <td></td> <td></td> | Iron | mag | 1 6 | | | | |
| Lead ppm <1 | | | | | | | |
| Tin ppm <td></td> <td></td> <td>■<1</td> <td></td> <td></td> <td></td> | | | ■<1 | | | | |
| Aluminum ppm 2 Chromium ppm 0 Molybdenum ppm 75 Nickel ppm <1 | | | | | | | |
| Chromium ppm 0 Molybdenum ppm 75 Nickel ppm <1 | Aluminum | | _ | | | | |
| Molybdenum ppm 75 Nickel ppm <1 | Chromium | | _ | | | | |
| Nickel ppm Image: square squa | | | _ | | | | |
| Titanium ppm 1 Silver ppm 0 Manganese ppm <1 | • | | □<1 | | | | |
| Silver ppm □ 0 Manganese ppm □ <1 | | | | | | | |
| Manganese ppm | Silver | | □ 0 | | | | |
| | Manganese | | ■ <1 | | | | |
| | | ppm | | | | | |



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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot:VOLVO0006Unique No:10848729Signed:Jonathan HesterReport Date:30 Jan 2024

2145

■ 1224■ 1053

78

0

93

ADDITIVES

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus



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