

CONSTRUCTION EQUIPMENT SW10372971 VOLVO L90H 627058 - DIESEL ENGINE



Sample No: VCP396306

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

Job No: SW10372971

| CVMDIE | INFORMATION | | | |
|-----------------|-------------|-------------|-------------|-------|
| | INFORMATION | | 1400000000 | - |
| Sample Number | | VCP396306 | VCP399622 | |
| Sample Date | | 02 Jul 2024 | 08 May 2024 | |
| Machine Hours | | 2472 | 1994 | |
| Oil Hours | | 500 | 0 | |
| Oil Changed | | Changed | Changed | |
| Sample Status | | NORMAL | NORMAL | |
| VOLVO | | | | |
| OIL CON | DITION | | | |
| Visc @ 100°C | cSt | 12.7 | 12.9 | |
| Base Number (BN | | 7.3 | 10.1 | |
| Oxidation (PA) | % | 52 | 76 | |
| | 70 | 32 | 70 | |
| VOLVO | | | | |
| CONTAN | IINATION | | | |
| Water | % | NEG | NEG | |
| Soot % | % | ■ 0.3 | □ 0.2 | |
| Nitration (PA) | % | 49 | 53 | |
| Sulfation (PA) | % | 53 | 60 | |
| Glycol | % | NEG | NEG | |
| Fuel | % | <1.0 | <1.0 | |
| Silicon | ppm | 6 | 5 | |
| Sodium | ppm | 2 | 4 | |
| Potassium | ppm | ■3 | <u> </u> | |
| | PP | | | |
| VOLVO | IETAL C | | | |
| WEAR M | IF LAT7 | | | |
| Iron | ppm | ■8 | 6 | |
| Copper | ppm | ■ <1 | - <1 | |
| Lead | ppm | 0 | 0 | |
| Tin | ppm | ■ <1 | 0 | |
| Aluminum | ppm | 2 | < 1 | |
| Chromium | ppm | ■ 0 | - <1 | |
| Molybdenum | ppm | ■ 65 | ■37 | |
| Nickel | ppm | ■ 0 | 0 | |
| Titanium | ppm | <1 | 0 | |
| Silver | ppm | ■ 0 | 0 | |
| Manganese | ppm | 0 | < 1 | |
| Vanadium | ppm | 0 | 0 | |
| | | | | |
| VOLVO | IEC . | | | |
| ADDITIV | 17 | | | |
| Calcium | ppm | 1482 | ■1930 | |

431

1047

929

0

52



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Diagnosis

Resample at the next service interval to monitor. 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:VOLVO5856Unique No:11115399Signed:Wes DavisReport Date:10 Jul 2024

ppm

ppm

ppm

ppm

ppm

392

1229

1024

289

0

Magnesium

Phosphorus

Zinc

Barium

Boron



CONSTRUCTION EQUIPMENT





