

CONSTRUCTION EQUIPMENT

SPM633152 MAJOR VOLVO L110H 632377 - DIESEL ENGINE

Sample No: VCP409047

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

Job No: SPM633152 MAJOR

| SAMPLE II | NFORMATION | | | |
|------------------|------------|---------------|-----------------|------|
| Sample Number | | VCP409047 | VCP412440 | |
| Sample Date | | 08 Nov 2023 | 31 Jul 2023 | |
| Machine Hours | | 2237 | 1766 | |
| | | 0 | 0 | |
| Oil Charact | | | · · | |
| Oil Changed | | Changed | Changed | |
| Sample Status | | NORMAL | NORMAL | |
| VOLVO | | | | |
| OIL CONDI | TION | | | |
| Visc @ 100°C | cSt | 13.8 | 14.5 | |
| Base Number (BN) | mg KOH/g | ■9.4 | ■9.4 | |
| Oxidation (PA) | % | 57 | 61 | |
| | | | | |
| CONTAMIN | NATION | | | |
| Water | % | NEG | NEG | |
| Soot % | % | NEG ■ 0.2 | ■ 0.3 | |
| | % | 53 | _ | |
| Nitration (PA) | | | 61 | |
| Sulfation (PA) | % | 51 | 53 | |
| Glycol | % | NEG | NEG | |
| Fuel | % | <1.0 | <1.0 | |
| Silicon | ppm | 3 | 4 | |
| Sodium | ppm | 2 | 2 | |
| Potassium | ppm | ■ <1 | <1 | |
| VOLVO | | | | |
| WEAR ME | TALS | | | |
| Iron | ppm | ■8 | □16 | |
| Copper | ppm | 1 | 2 | |
| Lead | ppm | 1 | - <1 | |
| Tin | ppm | | 1 | |
| Aluminum | ppm | 2 | 5 | |
| Chromium | ppm | ■ <1 | <u> </u> | |
| Molybdenum | ppm | ■ 56 | 6 1 | |
| Nickel | ppm | ■ 0 | 0 | |
| Titanium | ppm | <1 | 0 | |
| Silver | ppm | ■ 0 | 0 | |
| Manganese | ppm | ■<1 | <1 | |
| Vanadium | ppm | <1 | <1 | |
| | | | | |
| ADDITIVE | 7 | | | |
| Calcium | | ■ 1087 | □ 1228 | |
| | ppm | 1087 | 1045 | |
| Magnesium | ppm | 1023 | 1045 | |

1364

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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:VOLVO5023Unique No:10764798Signed:Angela BorellaReport Date:01 Dec 2023

1315

1022

0

2

ppm

ppm

ppm

ppm

Zinc

Barium

Boron

Phosphorus



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