



CONSTRUCTION EQUIPMENT

VOLVO L150H 5363 - DIESEL ENGINE



Sample No: VCP341187
Oil Type: MOBIL DELVAC 1300 SUPER15W40
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP341187 | VCP366582 | VCP383671 | VCP366665 |
| Sample Date | 28 Jun 2023 | 17 Feb 2023 | 26 Dec 2022 | 02 Nov 2022 |
| Machine Hours | 8740 | 8239 | 8011 | 7749 |
| Oil Hours | 250 | 228 | 262 | 250 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|------------------|----------|-------------|------|------|------|
| Visc @ 100°C | cSt | 12.9 | 13.0 | 13.0 | 13.4 |
| Base Number (BN) | mg KOH/g | 10.2 | 9.8 | 10.6 | 11.1 |
| Oxidation (PA) | % | 82 | 57 | 79 | 63 |

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.



CONTAMINATION

| | | | | | |
|----------------|-----|----------------|------|------|------|
| Soot % | % | 0.2 | 0.1 | 0.1 | 0.1 |
| Nitration (PA) | % | 51 | 48 | 53 | 54 |
| Sulfation (PA) | % | 60 | 51 | 61 | 55 |
| Glycol | % | NEG | NEG | NEG | NEG |
| Fuel | % | <1.0 | <1.0 | <1.0 | <1.0 |
| Silicon | ppm | 3 | 2 | 1 | 3 |
| Sodium | ppm | 0 | 3 | 3 | 3 |
| Potassium | ppm | 1 | 0 | <1 | 0 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 2 | 2 | 3 | 3 |
| Copper | ppm | <1 | <1 | <1 | 1 |
| Lead | ppm | <1 | <1 | 0 | <1 |
| Tin | ppm | <1 | <1 | <1 | <1 |
| Aluminum | ppm | 2 | <1 | 1 | <1 |
| Chromium | ppm | 0 | <1 | 0 | <1 |
| Molybdenum | ppm | 41 | 59 | 46 | 60 |
| Nickel | ppm | 0 | 0 | 0 | 0 |
| Titanium | ppm | <1 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | <1 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 1588 | 1186 | 1629 | 1173 |
| Magnesium | ppm | 468 | 931 | 575 | 868 |
| Zinc | ppm | 891 | 1227 | 969 | 1193 |
| Phosphorus | ppm | 761 | 979 | 814 | 1007 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 56 | 11 | 48 | 11 |

Depot: MARDIC
Unique No: 10559208
Signed: Wes Davis
Report Date: 14 Jul 2023



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VOLVO GRAPHS

