



CONSTRUCTION EQUIPMENT

X59623 VOLVO A25G 752880 - DIESEL ENGINE



Sample No: VCP437019
Oil Type: DIESEL ENGINE OIL SAE 30
Job No: X59623



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP437019 | VCP426487 | VCP413450 | --- |
| Sample Date | 20 May 2024 | 10 Jan 2024 | 04 Oct 2023 | --- |
| Machine Hours | 1353 | 917 | 627 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | ABNORMAL | --- |

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OIL CONDITION

| | | | | | |
|------------------|----------|-------------|------|------|-----|
| Visc @ 100°C | cSt | 12.2 | 12.1 | 11.3 | --- |
| Base Number (BN) | mg KOH/g | 9.4 | 9.4 | 5.6 | --- |
| Oxidation (PA) | % | 77 | 79 | 57 | --- |

CONTAMINATION

| | | | | | |
|----------------|-----|----------------|------|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Soot % | % | 0.3 | 0.3 | 0.4 | --- |
| Nitration (PA) | % | 65 | 61 | 78 | --- |
| Sulfation (PA) | % | 62 | 62 | 53 | --- |
| Glycol | % | NEG | NEG | NEG | --- |
| Fuel | % | <1.0 | <1.0 | 0.6 | --- |
| Silicon | ppm | 6 | 9 | 32 | --- |
| Sodium | ppm | 1 | 0 | 4 | --- |
| Potassium | ppm | 3 | 2 | 4 | --- |

WEAR METALS

| | | | | | |
|------------|-----|--------------|----|-----|-----|
| Iron | ppm | 9 | 11 | 23 | --- |
| Copper | ppm | 42 | 69 | 315 | --- |
| Lead | ppm | <1 | 0 | <1 | --- |
| Tin | ppm | <1 | <1 | 3 | --- |
| Aluminum | ppm | 1 | 2 | 6 | --- |
| Chromium | ppm | <1 | <1 | <1 | --- |
| Molybdenum | ppm | 39 | 47 | 79 | --- |
| Nickel | ppm | 2 | <1 | <1 | --- |
| Titanium | ppm | <1 | <1 | 4 | --- |
| Silver | ppm | 1 | <1 | <1 | --- |
| Manganese | ppm | <1 | <1 | 4 | --- |
| Vanadium | ppm | <1 | 0 | <1 | --- |

ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 1745 | 1826 | 2083 | --- |
| Magnesium | ppm | 459 | 471 | 60 | --- |
| Zinc | ppm | 1124 | 1169 | 1163 | --- |
| Phosphorus | ppm | 931 | 1024 | 963 | --- |
| Barium | ppm | 0 | 0 | 2 | --- |
| Boron | ppm | 64 | 44 | 36 | --- |

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm.

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: SCOSAI
Unique No: 11045507
Signed: Wes Davis
Report Date: 24 May 2024



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GRAPHS

