



CONSTRUCTION EQUIPMENT

VOLVO A40G 352025 - FRONT AXLE



Sample No: VCP433282
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP433282 | VCP312608 | VCP341882 | VCP402324 |
| Sample Date | 02 Apr 2024 | 11 Dec 2023 | 03 Oct 2023 | 13 Jul 2023 |
| Machine Hours | 10696 | 10033 | 9594 | 9075 |
| Oil Hours | 663 | 958 | 519 | 1127 |
| Oil Changed | Not Chngd | Changed | Not Chngd | Changed |
| Sample Status | NORMAL | NORMAL | ABNORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 135 | 138 | 139 | 137 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 2 | 1 | 9 | 2 |
| Sodium | ppm | 2 | 0 | 0 | <1 |
| Potassium | ppm | 1 | 0 | 3 | <1 |

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 condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|-----|--------|----|
| Iron | ppm | 328 | 415 | ▲ 1482 | 9 |
| Copper | ppm | 6 | 0 | 6 | 1 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | <1 | 0 | 0 | 0 |
| Aluminum | ppm | 0 | 0 | 1 | 0 |
| Chromium | ppm | 4 | 5 | ▲ 17 | <1 |
| Molybdenum | ppm | 2 | <1 | 4 | 2 |
| Nickel | ppm | 3 | 3 | ▲ 13 | 0 |
| Titanium | ppm | 0 | 0 | 0 | <1 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 6 | 5 | 24 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | <1 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|-----|-----|-----|
| Calcium | ppm | 206 | 155 | 146 | 163 |
| Magnesium | ppm | 15 | 11 | 12 | 15 |
| Zinc | ppm | 88 | 73 | 51 | 71 |
| Phosphorus | ppm | 1035 | 924 | 709 | 911 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 197 | 154 | 40 | 181 |

Depot: SCHGRE
Unique No: 10990238
Signed: Wes Davis
Report Date: 22 Apr 2024



CONSTRUCTION EQUIPMENT



GRAPHS

