



CONSTRUCTION EQUIPMENT

2901 VOLVO A40G 352199 - FRONT AXLE



Sample No: VCP399419
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No: 2901



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP399419 | VCP445750 | VCP396766 | VCP404837 |
| Sample Date | 12 Mar 2024 | 29 Nov 2023 | 25 Sep 2023 | 19 Jul 2023 |
| Machine Hours | 7031 | 6652 | 6129 | 5644 |
| Oil Hours | 416 | 971 | 485 | 1047 |
| Oil Changed | Not Chngd | Changed | Not Chngd | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 127 | 135 | 135 | 132 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 5 | 2 | 4 | 2 |
| Sodium | ppm | 0 | 0 | 0 | <1 |
| Potassium | ppm | 1 | 0 | 1 | <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 | 59 | 16 | 15 | 19 |
| Copper | ppm | <1 | <1 | <1 | <1 |
| Lead | ppm | <1 | 0 | <1 | 0 |
| Tin | ppm | <1 | 0 | <1 | 0 |
| Aluminum | ppm | 2 | 0 | 0 | 0 |
| Chromium | ppm | <1 | 0 | 0 | <1 |
| Molybdenum | ppm | 3 | 1 | 2 | <1 |
| Nickel | ppm | <1 | 0 | <1 | 0 |
| Titanium | ppm | <1 | <1 | 0 | <1 |
| Silver | ppm | 0 | 0 | 1 | 0 |
| Manganese | ppm | 1 | <1 | <1 | <1 |
| Vanadium | ppm | <1 | <1 | 0 | <1 |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 562 | 272 | 267 | 393 |
| Magnesium | ppm | 19 | 0 | 10 | 8 |
| Zinc | ppm | 201 | 88 | 115 | 138 |
| Phosphorus | ppm | 953 | 981 | 954 | 943 |
| Barium | ppm | 0 | 0 | 2 | 0 |
| Boron | ppm | 156 | 197 | 156 | 169 |

Depot: SCHGRE
Unique No: 10938216
Signed: Wes Davis
Report Date: 21 Mar 2024



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VOLVO GRAPHS

