



CONSTRUCTION EQUIPMENT

VOLVO A40G 352026 - BOGIE/CENTER AXLE



Sample No: VCP436352
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP436352 | VCP395618 | VCP405243 | VCP384376 |
| Sample Date | 08 Feb 2024 | 30 Oct 2023 | 29 Aug 2023 | 07 Jun 2023 |
| Machine Hours | 9959 | 9458 | 9029 | 8529 |
| Oil Hours | 501 | 929 | 500 | 1064 |
| Oil Changed | Not Chngd | Changed | Not Chngd | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 129 | 143 | 143 | 132 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon | ppm | 5 | 12 | 4 | 7 |
| Sodium | ppm | 0 | 1 | <1 | 2 |
| Potassium | ppm | 1 | 5 | 2 | <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 | 122 | 688 | 148 | 100 |
| Copper | ppm | <1 | 2 | <1 | <1 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 2 | 1 | 0 | 0 |
| Chromium | ppm | 2 | 10 | 2 | <1 |
| Molybdenum | ppm | 5 | 16 | 7 | 1 |
| Nickel | ppm | <1 | 2 | 0 | <1 |
| Titanium | ppm | <1 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 3 | 17 | 6 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | <1 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|------|
| Calcium | ppm | 581 | 780 | 694 | 560 |
| Magnesium | ppm | 23 | 18 | 19 | 9 |
| Zinc | ppm | 206 | 326 | 274 | 223 |
| Phosphorus | ppm | 1223 | 1086 | 1006 | 1404 |
| Barium | ppm | 12 | 0 | 0 | 0 |
| Boron | ppm | 190 | 158 | 168 | 230 |

Depot: SCHGRE
Unique No: 10876590
Signed: Wes Davis
Report Date: 15 Feb 2024



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

