



CONSTRUCTION EQUIPMENT

VOLVO A40G 352351 - FRONT AXLE



Sample No: VCP406106
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP406106 | VCP384397 | VCP362737 | VCP359554 |
| Sample Date | 24 Aug 2023 | 30 May 2023 | 06 Mar 2023 | 08 Nov 2022 |
| Machine Hours | 7188 | 6612 | 6020 | 5392 |
| Oil Hours | 1168 | 592 | 1105 | 477 |
| Oil Changed | Changed | Not Changd | Changed | Not Changd |
| Sample Status | NORMAL | ABNORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 138 | 142 | 136 | 137 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|----|----|----|
| Silicon | ppm | 4 | 2 | 4 | 1 |
| Sodium | ppm | 0 | <1 | <1 | 0 |
| Potassium | ppm | <1 | 0 | 0 | <1 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|---|
| Iron | ppm | 15 | 10 | 21 | 8 |
| Copper | ppm | 0 | 0 | 0 | 0 |
| Lead | ppm | 0 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 0 | 0 | <1 | 0 |
| Chromium | ppm | <1 | 0 | <1 | 0 |
| Molybdenum | ppm | <1 | 1 | 1 | 1 |
| Nickel | ppm | 0 | 0 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | <1 | <1 | <1 | 0 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 143 | 132 | 150 | 179 |
| Magnesium | ppm | 14 | 13 | 9 | 8 |
| Zinc | ppm | 50 | 56 | 66 | 76 |
| Phosphorus | ppm | 1017 | 1023 | 988 | 981 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 228 | 209 | 181 | 170 |

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.

Depot: SCHGRE
Unique No: 10634515
Signed: Wes Davis
Report Date: 07 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

