



CONSTRUCTION EQUIPMENT

VOLVO A40G 352026 - REAR AXLE



Sample No: VCP402956
Oil Type: MOBIL MOBILUBE HD PLUS 80W90
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP402956 | VCP384382 | VCP406804 | VCP385239 |
| Sample Date | 29 Aug 2023 | 07 Jun 2023 | 22 Mar 2023 | 06 Dec 2022 |
| Machine Hours | 9029 | 8529 | 7981 | 7465 |
| Oil Hours | 500 | 1069 | 516 | 949 |
| Oil Changed | Not Chngd | Changed | Not Chngd | Changed |
| Sample Status | NORMAL | NORMAL | ABNORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 138 | 132 | 133 | 131 |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---|----|----|
| Silicon | ppm | 2 | 2 | 2 | 1 |
| Sodium | ppm | <1 | 1 | <1 | 0 |
| Potassium | ppm | <1 | 0 | 0 | <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 | 7 | 8 | 6 | 7 |
| 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 | <1 | 0 | 0 |
| Molybdenum | ppm | 1 | <1 | <1 | 1 |
| Nickel | ppm | 0 | <1 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 0 | 0 | <1 | 0 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|-----|-----|
| Calcium | ppm | 231 | 458 | 408 | 391 |
| Magnesium | ppm | 18 | 8 | 8 | 8 |
| Zinc | ppm | 88 | 167 | 142 | 146 |
| Phosphorus | ppm | 1021 | 1038 | 972 | 978 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 221 | 170 | 176 | 156 |

Depot: SCHGRE
Unique No: 10634517
Signed: Wes Davis
Report Date: 07 Sep 2023



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GRAPHS

