



CONSTRUCTION EQUIPMENT

VOLVO A40G 752009 - BOGIE/CENTER AXLE



Sample No: VCP393240
Oil Type: MOBIL MOBILUBE HD 80W90
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP393240 | VCP445744 | VCP312957 | --- |
| Sample Date | 12 Mar 2024 | 29 Nov 2023 | 12 Sep 2023 | --- |
| Machine Hours | 1479 | 987 | 482 | --- |
| Oil Hours | 1052 | 560 | 482 | --- |
| Oil Changed | Changed | Not Changd | Not Changd | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | 104 | 104 | 104 | --- |
|-------------|-----|------------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 5 | 4 | 4 | --- |
| Sodium | ppm | <1 | <1 | <1 | --- |
| Potassium | ppm | 5 | 0 | 4 | --- |

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 | 268 | 225 | 148 | --- |
| Copper | ppm | 3 | 2 | 2 | --- |
| Lead | ppm | <1 | 0 | 0 | --- |
| Tin | ppm | <1 | 0 | 0 | --- |
| Aluminum | ppm | 2 | 0 | 0 | --- |
| Chromium | ppm | 4 | 3 | 2 | --- |
| Molybdenum | ppm | 10 | 9 | 7 | --- |
| Nickel | ppm | 2 | <1 | <1 | --- |
| Titanium | ppm | <1 | <1 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 10 | 9 | 8 | --- |
| Vanadium | ppm | <1 | <1 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|-------------|------|------|-----|
| Calcium | ppm | 140 | 122 | 153 | --- |
| Magnesium | ppm | 1 | 0 | 1 | --- |
| Zinc | ppm | 60 | 38 | 70 | --- |
| Phosphorus | ppm | 1203 | 1348 | 1371 | --- |
| Barium | ppm | 2 | 0 | 0 | --- |
| Boron | ppm | 282 | 342 | 339 | --- |

Depot: SCHGRE
Unique No: 10938222
Signed: Don Baldrige
Report Date: 22 Mar 2024



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VOLVO GRAPHS

