



CONSTRUCTION EQUIPMENT

199297 VOLVO A40G 342112 - REAR AXLE



Sample No: VCP393987
Oil Type: {unknown}
Job No: 199297



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP393987 | VCP0006348 | VCP278441 | VCP290060 |
| Sample Date | 03 Apr 2023 | 07 Feb 2023 | 25 Oct 2021 | 30 Oct 2020 |
| Machine Hours | 7555 | 7550 | 6458 | 4895 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Changd | N/A | N/A | Not Changd |
| Sample Status | NORMAL | SEVERE | SEVERE | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|-------------|-----|
| Visc @ 40°C | cSt | 114 | 265 | 2071 | 249 |
|-------------|-----|------------|-----|-------------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|-------------|-------------|-----|
| Water | % | NEG | 5.75 | 35.0 | NEG |
| Silicon | ppm | 1 | 113 | 116 | 12 |
| Sodium | ppm | <1 | 2 | 0 | 0 |
| Potassium | ppm | <1 | 3 | 1 | <1 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|------------|-----------|-----|
| Iron | ppm | 1 | 812 | 183 | 166 |
| Copper | ppm | <1 | 6 | 2 | <1 |
| Lead | ppm | 0 | 2 | 1 | <1 |
| Tin | ppm | 0 | 3 | 1 | 0 |
| Aluminum | ppm | 0 | 44 | 27 | 4 |
| Chromium | ppm | 0 | 11 | 2 | 3 |
| Molybdenum | ppm | <1 | 27 | <1 | 18 |
| Nickel | ppm | 0 | 5 | 1 | <1 |
| Titanium | ppm | 0 | 2 | 1 | <1 |
| Silver | ppm | 0 | 0 | <1 | 0 |
| Manganese | ppm | 0 | 14 | 2 | 3 |
| Vanadium | ppm | 0 | <1 | <1 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|-------------|-----|-----|-----|
| Calcium | ppm | 32 | 391 | 126 | 174 |
| Magnesium | ppm | 2 | 74 | 31 | 41 |
| Zinc | ppm | 19 | 121 | 7 | 70 |
| Phosphorus | ppm | 1284 | 887 | 47 | 812 |
| Barium | ppm | 0 | 2 | 0 | 3 |
| Boron | ppm | 232 | 171 | 7 | 160 |

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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: VOLVO0092
Unique No: 10414657
Signed: Wes Davis
Report Date: 07 Apr 2023



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VOLVO GRAPHS

