



CONSTRUCTION EQUIPMENT

SWO-063669 VOLVO A60 A60H 340102 - REAR AXLE



Sample No: VCP414282
Oil Type: GEAR OIL SAE 75W90
Job No: SWO-063669



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | VCP414282 | VCP420409 | VCP393427 | VCP389249 |
| Sample Date | 11 Jul 2023 | 30 Mar 2023 | 15 Dec 2022 | 14 Sep 2022 |
| Machine Hours | 8821 | 8292 | 7821 | 7310 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Not Chngd | Not Chngd | Changed | Not Chngd |
| Sample Status | ATTENTION | ATTENTION | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|--------------|-------|--------|--------|
| Visc @ 40°C | cSt | ▲ 238 | ▲ 235 | ■ 92.0 | ■ 91.5 |
|-------------|-----|--------------|-------|--------|--------|



CONTAMINATION

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

Diagnosis
No corrective action is recommended at this time. 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 oil viscosity is higher than normal. Confirm oil type.



WEAR METALS

| | | | | | |
|------------|-----|-------------|------|------|------|
| Iron | ppm | ■ 56 | ■ 54 | ■ 45 | ■ 37 |
| Copper | ppm | ■ 1 | ■ 1 | ■ <1 | ■ <1 |
| Lead | ppm | ■ 0 | ■ 0 | ■ 0 | ■ 0 |
| Tin | ppm | ■ <1 | ■ 0 | ■ 0 | ■ <1 |
| Aluminum | ppm | ■ <1 | ■ 0 | ■ <1 | ■ <1 |
| Chromium | ppm | ■ 2 | ■ 2 | ■ <1 | ■ <1 |
| Molybdenum | ppm | ■ <1 | ■ <1 | ■ <1 | ■ <1 |
| Nickel | ppm | ■ <1 | ■ <1 | ■ <1 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | <1 |
| Manganese | ppm | ■ 2 | ■ 2 | ■ <1 | ■ <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|---------------|--------|--------|--------|
| Calcium | ppm | ■ 40 | ■ 56 | ■ 20 | ■ 20 |
| Magnesium | ppm | ■ 4 | ■ 4 | ■ 1 | ■ 1 |
| Zinc | ppm | ■ 17 | ■ 29 | ■ 0 | ■ 6 |
| Phosphorus | ppm | ■ 1219 | ■ 1099 | ■ 1356 | ■ 1351 |
| Barium | ppm | ■ 0 | ■ 0 | ■ 0 | ■ 0 |
| Boron | ppm | ■ 198 | ■ 218 | ■ 203 | ■ 240 |

Depot: SAIBIR
Unique No: 10560329
Signed: Don Baldrige
Report Date: 17 Jul 2023



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VOLVO GRAPHS

