



# CONSTRUCTION EQUIPMENT

## 2810 VOLVO A40G 342253 - DROP BOX



**Sample No:** VCP401033  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:** 2810



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP401033</b>   | VCP390565   | VCP366562   | VCP318433   |
| Sample Date   | <b>19 Jul 2023</b> | 13 Feb 2023 | 22 Aug 2022 | 13 Sep 2021 |
| Machine Hours | <b>9967</b>        | 9003        | 7992        | 5975        |
| Oil Hours     | <b>964</b>         | 1011        | 921         | 1069        |
| Oil Changed   | <b>Changed</b>     | Changed     | Changed     | Changed     |
| Sample Status | <b>NORMAL</b>      | NORMAL      | ATTENTION   | NORMAL      |

**SCHILDBERG CONSTRUCTION COMPANY**  
 PO BOX 358  
 GREENFIELD, IA  
 US 50849  
 Contact: SCOTT ARMSTRONG  
 sarmstrong@schildberg.com  
 T: (641)743-8237  
 F: (641)743-2486



### OIL CONDITION

|             |     |            |     |        |     |
|-------------|-----|------------|-----|--------|-----|
| Visc @ 40°C | cSt | <b>128</b> | 122 | ▲ 95.3 | 125 |
|-------------|-----|------------|-----|--------|-----|



### CONTAMINATION

|           |     |          |   |    |   |
|-----------|-----|----------|---|----|---|
| Silicon   | ppm | <b>3</b> | 5 | 20 | 8 |
| Sodium    | ppm | <b>1</b> | 1 | 2  | 2 |
| Potassium | ppm | <b>2</b> | 2 | 16 | 0 |



### WEAR METALS

|            |     |              |     |     |    |
|------------|-----|--------------|-----|-----|----|
| Iron       | ppm | <b>55</b>    | 147 | 135 | 49 |
| Copper     | ppm | <b>&lt;1</b> | <1  | <1  | <1 |
| Lead       | ppm | <b>0</b>     | 0   | <1  | 0  |
| Tin        | ppm | <b>0</b>     | 0   | <1  | 0  |
| Aluminum   | ppm | <b>0</b>     | <1  | 1   | 4  |
| Chromium   | ppm | <b>&lt;1</b> | 2   | 2   | <1 |
| Molybdenum | ppm | <b>3</b>     | 9   | 12  | 5  |
| Nickel     | ppm | <b>0</b>     | <1  | 0   | 0  |
| Titanium   | ppm | <b>&lt;1</b> | <1  | 0   | <1 |
| Silver     | ppm | <b>0</b>     | 0   | 0   | <1 |
| Manganese  | ppm | <b>&lt;1</b> | 2   | 2   | <1 |
| Vanadium   | ppm | <b>&lt;1</b> | 0   | 0   | 0  |



### ADDITIVES

|            |     |            |     |       |     |
|------------|-----|------------|-----|-------|-----|
| Calcium    | ppm | <b>369</b> | 410 | 242   | 314 |
| Magnesium  | ppm | <b>8</b>   | 15  | 28    | 15  |
| Zinc       | ppm | <b>140</b> | 166 | 154   | 144 |
| Phosphorus | ppm | <b>911</b> | 812 | ▲ 495 | 927 |
| Barium     | ppm | <b>0</b>   | 0   | 0     | 0   |
| Boron      | ppm | <b>139</b> | 116 | ▲ 10  | 156 |

### 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:** 10586851  
**Signed:** Wes Davis  
**Report Date:** 04 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

