



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352199 - BOGIE/CENTER AXLE



**Sample No:** VCP398088  
**Oil Type:** MOBIL MOBILUBE HD PLUS 80W90  
**Job No:**



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP398088</b>   | VCP445751   | VCP396984   | VCP404853   |
| Sample Date   | <b>12 Mar 2024</b> | 29 Nov 2023 | 25 Sep 2023 | 19 Jul 2023 |
| Machine Hours | <b>7031</b>        | 6615        | 6129        | 5644        |
| Oil Hours     | <b>416</b>         | 971         | 485         | 1047        |
| Oil Changed   | <b>Not Chngd</b>   | Changed     | Not Chngd   | Changed     |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | 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>127</b> | 135 | 135 | 132 |
|-------------|-----|------------|-----|-----|-----|



### CONTAMINATION

| Water     | %   | NEG      | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon   | ppm | <b>5</b> | 1   | 2   | 2   |
| Sodium    | ppm | <b>0</b> | 0   | 0   | <1  |
| Potassium | ppm | <b>1</b> | 0   | <1  | <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 | <b>20</b>    | 17 | 11 | 20 |
| Copper     | ppm | <b>&lt;1</b> | <1 | <1 | <1 |
| Lead       | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Tin        | ppm | <b>&lt;1</b> | 0  | <1 | 0  |
| Aluminum   | ppm | <b>2</b>     | 0  | 0  | 0  |
| Chromium   | ppm | <b>&lt;1</b> | 0  | 0  | <1 |
| Molybdenum | ppm | <b>3</b>     | 1  | 2  | <1 |
| Nickel     | ppm | <b>&lt;1</b> | 0  | <1 | 0  |
| Titanium   | ppm | <b>&lt;1</b> | <1 | 0  | <1 |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Manganese  | ppm | <b>&lt;1</b> | <1 | <1 | <1 |
| Vanadium   | ppm | <b>&lt;1</b> | <1 | 0  | <1 |



### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>554</b> | 275 | 277 | 366 |
| Magnesium  | ppm | <b>18</b>  | 0   | 10  | 7   |
| Zinc       | ppm | <b>197</b> | 89  | 119 | 129 |
| Phosphorus | ppm | <b>926</b> | 963 | 968 | 878 |
| Barium     | ppm | <b>0</b>   | 0   | 1   | 0   |
| Boron      | ppm | <b>157</b> | 193 | 156 | 156 |

**Depot:** SCHGRE  
**Unique No:** 10938227  
**Signed:** Wes Davis  
**Report Date:** 21 Mar 2024



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

