



# CONSTRUCTION EQUIPMENT

W07012936 STANLEY VOLVO A45G 342394 - DROP BOX



**Sample No:** VCP267351  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** W07012936 STANLEY



## SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP267351</b>   | VCP419408   | VCP354340   | VCP318340   |
| Sample Date   | <b>11 Jun 2023</b> | 06 Jun 2023 | 22 Jun 2022 | 30 Aug 2021 |
| Machine Hours | <b>7114</b>        | 7086        | 5328        | 4119        |
| Oil Hours     | <b>30</b>          | 0           | 0           | 0           |
| Oil Changed   | <b>Changed</b>     | Changed     | Not Changd  | Changed     |
| Sample Status | <b>NORMAL</b>      | ATTENTION   | NORMAL      | NORMAL      |

**McClung-Logan Virginia LLC- RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611



## OIL CONDITION

|             |     |             |       |        |        |
|-------------|-----|-------------|-------|--------|--------|
| Visc @ 40°C | cSt | <b>69.9</b> | ▲ 238 | ■ 47.4 | ■ 49.8 |
|-------------|-----|-------------|-------|--------|--------|



## CONTAMINATION

|           |     |                |      |     |      |
|-----------|-----|----------------|------|-----|------|
| Silicon   | ppm | ■ <b>2</b>     | ■ 14 | ■ 7 | ■ 20 |
| Sodium    | ppm | ■ <b>&lt;1</b> | ■ 3  | ■ 4 | ■ 7  |
| Potassium | ppm | ■ <b>&lt;1</b> | ■ 3  | ■ 2 | ■ 19 |



## WEAR METALS

|            |     |                |       |       |       |
|------------|-----|----------------|-------|-------|-------|
| Iron       | ppm | ■ <b>63</b>    | ■ 239 | ■ 132 | ■ 244 |
| Copper     | ppm | ■ <b>&lt;1</b> | ■ <1  | ■ 2   | ■ 3   |
| Lead       | ppm | ■ <b>0</b>     | ■ 0   | ■ 0   | ■ 2   |
| Tin        | ppm | ■ <b>0</b>     | ■ 0   | ■ 0   | ■ 0   |
| Aluminum   | ppm | ■ <b>&lt;1</b> | ■ 6   | ■ <1  | ■ 1   |
| Chromium   | ppm | ■ <b>&lt;1</b> | ■ 4   | ■ 2   | ■ 3   |
| Molybdenum | ppm | ■ <b>2</b>     | ■ 6   | 6     | 9     |
| Nickel     | ppm | ■ <b>0</b>     | ■ 2   | ■ <1  | ■ 1   |
| Titanium   | ppm | <b>0</b>       | <1    | 0     | <1    |
| Silver     | ppm | <b>0</b>       | 0     | 0     | 0     |
| Manganese  | ppm | ■ <b>&lt;1</b> | ■ 3   | 2     | 4     |
| Vanadium   | ppm | <b>0</b>       | 0     | 0     | 0     |



## ADDITIVES

|            |     |               |        |      |      |
|------------|-----|---------------|--------|------|------|
| Calcium    | ppm | ■ <b>17</b>   | ■ 63   | 246  | 168  |
| Magnesium  | ppm | ■ <b>1</b>    | ■ 6    | 16   | 58   |
| Zinc       | ppm | ■ <b>22</b>   | ■ 51   | 177  | 182  |
| Phosphorus | ppm | ■ <b>1677</b> | ■ 1346 | 2352 | 2002 |
| Barium     | ppm | ■ <b>0</b>    | ■ 0    | 0    | 0    |
| Boron      | ppm | ■ <b>219</b>  | ■ 183  | 206  | 180  |

## 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:** VOLVO8882  
**Unique No:** 10546406  
**Signed:** Don Baldrige  
**Report Date:** 07 Jul 2023



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## GRAPHS

