



# CONSTRUCTION EQUIPMENT

49810 VOLVO A40G 352457 - DROP BOX



**Sample No:** VCP423711  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 49810



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP423711   | --- | --- | --- |
| Sample Date   | 26 Sep 2023 | --- | --- | --- |
| Machine Hours | 3935        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | SEVERE      | --- | --- | --- |

**367 - ASCENDUM MACHINERY INC - BUFORD**  
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## OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 49.0 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



## CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | █ 24 | --- | --- | --- |
| Sodium    | ppm | █ 4  | --- | --- | --- |
| Potassium | ppm | █ 2  | --- | --- | --- |



## WEAR METALS

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Iron       | ppm | ◆ 1800 | --- | --- | --- |
| Copper     | ppm | █ 20   | --- | --- | --- |
| Lead       | ppm | █ 0    | --- | --- | --- |
| Tin        | ppm | █ 0    | --- | --- | --- |
| Aluminum   | ppm | █ 2    | --- | --- | --- |
| Chromium   | ppm | ▲ 23   | --- | --- | --- |
| Molybdenum | ppm | █ 21   | --- | --- | --- |
| Nickel     | ppm | ▲ 14   | --- | --- | --- |
| Titanium   | ppm | <1     | --- | --- | --- |
| Silver     | ppm | 0      | --- | --- | --- |
| Manganese  | ppm | █ 19   | --- | --- | --- |
| Vanadium   | ppm | <1     | --- | --- | --- |



## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 48   | --- | --- | --- |
| Magnesium  | ppm | █ 19   | --- | --- | --- |
| Zinc       | ppm | █ 93   | --- | --- | --- |
| Phosphorus | ppm | █ 2219 | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 124  | --- | --- | --- |

## Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO8529  
**Unique No:** 10672270  
**Signed:** Don Baldrige  
**Report Date:** 02 Oct 2023



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## GRAPHS

