



# CONSTRUCTION EQUIPMENT

## 23664 VOLVO EC350 314351 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP404627  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 23664



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP404627   | --- | --- | --- |
| Sample Date   | 30 Jun 2023 | --- | --- | --- |
| Machine Hours | 1914        | --- | --- | --- |
| Oil Hours     | 2000        | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | SEVERE      | --- | --- | --- |

218 - ASCENDUM MACHINERY INC - N. CHARLESTON  
 7235 CROSS COUNTRY RD.  
 NORTH CHARLESTON, SC  
 US 29418  
 Contact: MATT MITCHAM  
 matt.mitcam@ascendummachinery.com  
 T:  
 F: (843)414-1129



### OIL CONDITION

|             |     |     |     |     |     |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 185 | --- | --- | --- |
|-------------|-----|-----|-----|-----|-----|



### CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Silicon   | ppm | 407 | --- | --- | --- |
| Sodium    | ppm | 1   | --- | --- | --- |
| Potassium | ppm | 3   | --- | --- | --- |

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



### WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | 1287 | --- | --- | --- |
| Copper     | ppm | 2    | --- | --- | --- |
| Lead       | ppm | 0    | --- | --- | --- |
| Tin        | ppm | <1   | --- | --- | --- |
| Aluminum   | ppm | 57   | --- | --- | --- |
| Chromium   | ppm | 27   | --- | --- | --- |
| Molybdenum | ppm | 3    | --- | --- | --- |
| Nickel     | ppm | 2    | --- | --- | --- |
| Titanium   | ppm | 7    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | 14   | --- | --- | --- |
| Vanadium   | ppm | <1   | --- | --- | --- |



### ADDITIVES

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Calcium    | ppm | 9   | --- | --- | --- |
| Magnesium  | ppm | 2   | --- | --- | --- |
| Zinc       | ppm | 0   | --- | --- | --- |
| Phosphorus | ppm | 276 | --- | --- | --- |
| Barium     | ppm | 2   | --- | --- | --- |
| Boron      | ppm | 0   | --- | --- | --- |

**Depot:** VOLVO3387  
**Unique No:** 10548325  
**Signed:** Don Baldrige  
**Report Date:** 10 Jul 2023



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## GRAPHS

