



# CONSTRUCTION EQUIPMENT

## 23664 VOLVO EC350 314351 - REAR LEFT FINAL DRIVE



**Sample No:** VCP404625  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 23664



**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



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP404625   | --- | --- | --- |
| Sample Date   | 30 Jun 2023 | --- | --- | --- |
| Machine Hours | 1914        | --- | --- | --- |
| Oil Hours     | 2000        | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | SEVERE      | --- | --- | --- |



### OIL CONDITION

|             |     |     |     |     |     |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 184 | --- | --- | --- |
|-------------|-----|-----|-----|-----|-----|



### CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Silicon   | ppm | 382 | --- | --- | --- |
| Sodium    | ppm | 2   | --- | --- | --- |
| Potassium | ppm | 3   | --- | --- | --- |



### WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | 1338 | --- | --- | --- |
| Copper     | ppm | 2    | --- | --- | --- |
| Lead       | ppm | 0    | --- | --- | --- |
| Tin        | ppm | <1   | --- | --- | --- |
| Aluminum   | ppm | 48   | --- | --- | --- |
| Chromium   | ppm | 32   | --- | --- | --- |
| Molybdenum | ppm | 3    | --- | --- | --- |
| Nickel     | ppm | 2    | --- | --- | --- |
| Titanium   | ppm | 6    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | 15   | --- | --- | --- |
| Vanadium   | ppm | <1   | --- | --- | --- |



### ADDITIVES

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Calcium    | ppm | 13  | --- | --- | --- |
| Magnesium  | ppm | 3   | --- | --- | --- |
| Zinc       | ppm | 2   | --- | --- | --- |
| Phosphorus | ppm | 291 | --- | --- | --- |
| Barium     | ppm | <1  | --- | --- | --- |
| Boron      | ppm | 0   | --- | --- | --- |

### 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.

**Depot:** VOLVO3387  
**Unique No:** 10548324  
**Signed:** Don Baldrige  
**Report Date:** 10 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

