



# CONSTRUCTION EQUIPMENT

## 19062 GS BLUEWATER CATERPILLAR 345C PJW00559 - LEFT SWING DRIVE



**Sample No:** VCP408445  
**Oil Type:** NOT GIVEN  
**Job No:** 19062 GS BLUEWATER



### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP408445</b>   | VCP408442   | --- | --- |
| Sample Date   | <b>11 Jul 2023</b> | 11 Jul 2023 | --- | --- |
| Machine Hours | <b>17529</b>       | 17529       | --- | --- |
| Oil Hours     | <b>0</b>           | 0           | --- | --- |
| Oil Changed   | <b>Not Chngd</b>   | Not Chngd   | --- | --- |
| Sample Status | <b>NORMAL</b>      | SEVERE      | --- | --- |

**117 - ASCENDUM MACHINERY INC - GREENVILLE**  
 2002 N GREENE ST  
 GREENVILLE, NC  
 US 27834  
 Contact: BRANDON JENKINS  
 BRANDON.JENKINS@ASCENDUMMACHINERY.COM  
 T:  
 F: (704)494-8197



### OIL CONDITION

|             |     |            |     |     |     |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>161</b> | 242 | --- | --- |
|-------------|-----|------------|-----|-----|-----|



### CONTAMINATION

|           |     |              |      |     |     |
|-----------|-----|--------------|------|-----|-----|
| Water     | %   | ---          | 1.90 | --- | --- |
| Silicon   | ppm | <b>6</b>     | 20   | --- | --- |
| Sodium    | ppm | <b>2</b>     | 10   | --- | --- |
| Potassium | ppm | <b>&lt;1</b> | <1   | --- | --- |

### Diagnosis

No corrective action is recommended at this time. 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>34</b>    | 44 | --- | --- |
| Copper     | ppm | <b>26</b>    | 84 | --- | --- |
| Lead       | ppm | <b>&lt;1</b> | 0  | --- | --- |
| Tin        | ppm | <b>0</b>     | <1 | --- | --- |
| Aluminum   | ppm | <b>2</b>     | 2  | --- | --- |
| Chromium   | ppm | <b>&lt;1</b> | 1  | --- | --- |
| Molybdenum | ppm | <b>&lt;1</b> | <1 | --- | --- |
| Nickel     | ppm | <b>0</b>     | 7  | --- | --- |
| Titanium   | ppm | <b>&lt;1</b> | 0  | --- | --- |
| Silver     | ppm | <b>0</b>     | 0  | --- | --- |
| Manganese  | ppm | <b>&lt;1</b> | 2  | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0  | --- | --- |



### ADDITIVES

|            |     |             |      |     |     |
|------------|-----|-------------|------|-----|-----|
| Calcium    | ppm | <b>2730</b> | 3613 | --- | --- |
| Magnesium  | ppm | <b>19</b>   | 12   | --- | --- |
| Zinc       | ppm | <b>1232</b> | 1608 | --- | --- |
| Phosphorus | ppm | <b>982</b>  | 1370 | --- | --- |
| Barium     | ppm | <b>0</b>    | 0    | --- | --- |
| Boron      | ppm | <b>6</b>    | 116  | --- | --- |

**Depot:** VOLVO8769  
**Unique No:** 10587589  
**Signed:** Doug Bogart  
**Report Date:** 06 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

