



# CONSTRUCTION EQUIPMENT

## VOLVO A30F 82030 - REAR AXLE



**Sample No:** VCP380225  
**Oil Type:** GEAR OIL SAE 80  
**Job No:**



### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP380225</b>   | VCP145524   | --- | --- |
| Sample Date   | <b>18 Sep 2023</b> | 08 May 2013 | --- | --- |
| Machine Hours | <b>10249</b>       | 1044        | --- | --- |
| Oil Hours     | <b>0</b>           | 0           | --- | --- |
| Oil Changed   | <b>N/A</b>         | N/A         | --- | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | --- | --- |

### CONQUEST EQUIPMENT

PO BOX 1188  
 ESTEVAN, SK  
 CA S4A 2H8  
 Contact: Service Manager  
 sales@conquestequipment.ca  
 T: (888)724-7404  
 F:



### OIL CONDITION

|             |     |             |        |     |     |
|-------------|-----|-------------|--------|-----|-----|
| Visc @ 40°C | cSt | <b>51.1</b> | █ 67.2 | --- | --- |
|-------------|-----|-------------|--------|-----|-----|



### CONTAMINATION

|           |     |             |     |     |     |
|-----------|-----|-------------|-----|-----|-----|
| Silicon   | ppm | █ <b>38</b> | █ 4 | --- | --- |
| Sodium    | ppm | █ <b>4</b>  | █ 0 | --- | --- |
| Potassium | ppm | █ <b>2</b>  | █ 2 | --- | --- |



### WEAR METALS

|            |     |                |       |     |     |
|------------|-----|----------------|-------|-----|-----|
| Iron       | ppm | █ <b>209</b>   | █ 163 | --- | --- |
| Copper     | ppm | █ <b>5</b>     | █ 6   | --- | --- |
| Lead       | ppm | █ <b>&lt;1</b> | █ <1  | --- | --- |
| Tin        | ppm | █ <b>0</b>     | █ 0   | --- | --- |
| Aluminum   | ppm | █ <b>9</b>     | █ <1  | --- | --- |
| Chromium   | ppm | █ <b>3</b>     | █ 6   | --- | --- |
| Molybdenum | ppm | █ <b>0</b>     | █ <1  | --- | --- |
| Nickel     | ppm | █ <b>1</b>     | █ 2   | --- | --- |
| Titanium   | ppm | <b>0</b>       | 3     | --- | --- |
| Silver     | ppm | <b>&lt;1</b>   | <1    | --- | --- |
| Manganese  | ppm | █ <b>2</b>     | 14    | --- | --- |
| Vanadium   | ppm | <b>0</b>       | <1    | --- | --- |



### ADDITIVES

|            |     |                |        |     |     |
|------------|-----|----------------|--------|-----|-----|
| Calcium    | ppm | █ <b>226</b>   | 37     | --- | --- |
| Magnesium  | ppm | █ <b>4</b>     | █ 2    | --- | --- |
| Zinc       | ppm | █ <b>93</b>    | 10     | --- | --- |
| Phosphorus | ppm | █ <b>2414</b>  | █ 1453 | --- | --- |
| Barium     | ppm | █ <b>&lt;1</b> | <1     | --- | --- |
| Boron      | ppm | █ <b>243</b>   | 176    | --- | --- |

### 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. Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. The condition of the oil is acceptable for the time in service.

**Depot:** CONEST  
**Unique No:** 5658811  
**Signed:** Kevin Marson  
**Report Date:** 18 Oct 2023



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## GRAPHS

