



# CONSTRUCTION EQUIPMENT

SENNEBOGEN 830 830.0.1477 - FRONT AXLE



**Sample No:** VCP0002992  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP0002992  | --- | --- | --- |
| Sample Date   | 26 Jul 2022 | --- | --- | --- |
| Machine Hours | 12056       | --- | --- | --- |
| Oil Hours     | 12056       | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | ATTENTION   | --- | --- | --- |

### COMMERCIAL METALS COMPANY

410 ATANDO AVE  
 CHARLOTTE, NC  
 US 28206

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## OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ▲ 68.8 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



## CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | ■ 22 | --- | --- | --- |
| Sodium    | ppm | ■ 29 | --- | --- | --- |
| Potassium | ppm | ■ 0  | --- | --- | --- |

### Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.



## WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | ■ 24 | --- | --- | --- |
| Copper     | ppm | ■ 8  | --- | --- | --- |
| Lead       | ppm | ■ <1 | --- | --- | --- |
| Tin        | ppm | ■ <1 | --- | --- | --- |
| Aluminum   | ppm | ■ 1  | --- | --- | --- |
| Chromium   | ppm | ■ <1 | --- | --- | --- |
| Molybdenum | ppm | ■ 0  | --- | --- | --- |
| Nickel     | ppm | ■ 1  | --- | --- | --- |
| Titanium   | ppm | ■ 0  | --- | --- | --- |
| Silver     | ppm | ■ 0  | --- | --- | --- |
| Manganese  | ppm | ■ 5  | --- | --- | --- |
| Vanadium   | ppm | ■ 0  | --- | --- | --- |



## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ■ 3741 | --- | --- | --- |
| Magnesium  | ppm | ■ 10   | --- | --- | --- |
| Zinc       | ppm | ■ 1403 | --- | --- | --- |
| Phosphorus | ppm | ■ 1160 | --- | --- | --- |
| Barium     | ppm | ■ 0    | --- | --- | --- |
| Boron      | ppm | ■ 131  | --- | --- | --- |

**Depot:** COMCHAVC  
**Unique No:** 10072605  
**Signed:** Don Baldrige  
**Report Date:** 30 Jul 2022



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## VOLVO GRAPHS

