



# CONSTRUCTION EQUIPMENT

RS0034491 VOLVO A45G 352522 - FRONT AXLE



**Sample No:** VCP421012  
**Oil Type:** COWIN 80W90  
**Job No:** RSO034491



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP421012   | --- | --- | --- |
| Sample Date   | 30 Jun 2023 | --- | --- | --- |
| Machine Hours | 6069        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

### COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE  
PENSACOLA, FL  
US 32534

Contact: HUGH DOBBS  
HDOBBS@COWIN.COM  
T: (850)479-3004  
F: (850)474-1602



## OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 110 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



## CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | █ <1 | --- | --- | --- |
| Sodium    | ppm | █ 0  | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |



## WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | █ 38 | --- | --- | --- |
| Copper     | ppm | █ <1 | --- | --- | --- |
| Lead       | ppm | █ 0  | --- | --- | --- |
| Tin        | ppm | █ 0  | --- | --- | --- |
| Aluminum   | ppm | █ <1 | --- | --- | --- |
| Chromium   | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | <1   | --- | --- | --- |
| Nickel     | ppm | █ 0  | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | 1    | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



## ADDITIVES

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Calcium    | ppm | 70  | --- | --- | --- |
| Magnesium  | ppm | <1  | --- | --- | --- |
| Zinc       | ppm | 16  | --- | --- | --- |
| Phosphorus | ppm | 493 | --- | --- | --- |
| Barium     | ppm | 0   | --- | --- | --- |
| Boron      | ppm | 13  | --- | --- | --- |

## 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. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8247  
**Unique No:** 10562982  
**Signed:** Wes Davis  
**Report Date:** 19 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

