



# CONSTRUCTION EQUIPMENT

TREWORKS 8000387220 VOLVO ECR145E 316021 - COOLANT



**Sample No:** VCP392030  
**Oil Type:** VOLVO COOLANT VCS (YELLOW)  
**Job No:** 8000387220



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP392030   | --- | --- | --- |
| Sample Date   | 01 Dec 2023 | --- | --- | --- |
| Machine Hours | 977         | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

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## COOLANT CONDITION

|                    |            |        |     |     |     |
|--------------------|------------|--------|-----|-----|-----|
| Boron              | ppm        | ■ 9    | --- | --- | --- |
| Phosphorus         | ppm        | ■ 20   | --- | --- | --- |
| Sodium             | ppm        | ■ 5101 | --- | --- | --- |
| Potassium          | ppm        | ■ 304  | --- | --- | --- |
| Silicon            | ppm        | ■ 11   | --- | --- | --- |
| pH                 | Scale 0-14 | ■ 7.66 | --- | --- | --- |
| Reserve Alkalinity | Scale 0-20 | ■ 3.0  | --- | --- | --- |
| Molybdenum         | ppm        | ■ 10   | --- | --- | --- |
| Nitrites           | ppm        | ■ 880  | --- | --- | --- |
| Percentage Glycol  | %          | ■ 47.4 | --- | --- | --- |
| Freezing Point     | °C         | ■ -28  | --- | --- | --- |

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the coolant. The condition of the coolant is acceptable for the time in service.



## CONTAMINATION

|                    |        |              |     |     |     |
|--------------------|--------|--------------|-----|-----|-----|
| Magnesium          | ppm    | ■ 5          | --- | --- | --- |
| Calcium            | ppm    | ■ 20         | --- | --- | --- |
| Coolant Appearance |        | ■ Clear      | --- | --- | --- |
| Coolant Color      |        | ■ Grn/Yellow | --- | --- | --- |
| Sand/Dirt          | scalar | ■ NONE       | --- | --- | --- |
| Debris             | scalar | ■ NONE       | --- | --- | --- |
| Precipitate        | scalar | ■ NONE       | --- | --- | --- |
| Silt               | scalar | ■ NONE       | --- | --- | --- |



## CORROSION

|          |     |      |     |     |     |
|----------|-----|------|-----|-----|-----|
| Iron     | ppm | ■ 0  | --- | --- | --- |
| Aluminum | ppm | ■ <1 | --- | --- | --- |
| Copper   | ppm | ■ 6  | --- | --- | --- |
| Lead     | ppm | ■ 0  | --- | --- | --- |
| Tin      | ppm | ■ 0  | --- | --- | --- |

**Depot:** SHEDAR  
**Unique No:** 5694446  
**Signed:** Wes Davis  
**Report Date:** 06 Dec 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

