



# CONSTRUCTION EQUIPMENT

385379 VOLVO ECR355EL 314771 - DIESEL ENGINE



**Sample No:** VCP380332  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 385379



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP380332   | --- | --- | --- |
| Sample Date   | 19 Dec 2023 | --- | --- | --- |
| Machine Hours | 413         | --- | --- | --- |
| Oil Hours     | 413         | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

### STRONGCO EQUIPMENT INC (STE- FOY)

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## OIL CONDITION

|                |     |        |     |     |     |
|----------------|-----|--------|-----|-----|-----|
| Visc @ 100°C   | cSt | █ 12.5 | --- | --- | --- |
| Oxidation (PA) | %   | █ 44   | --- | --- | --- |



## CONTAMINATION

|                |     |       |     |     |     |
|----------------|-----|-------|-----|-----|-----|
| Water          | %   | █ NEG | --- | --- | --- |
| Soot %         | %   | █ 0   | --- | --- | --- |
| Nitration (PA) | %   | █ 54  | --- | --- | --- |
| Sulfation (PA) | %   | █ 48  | --- | --- | --- |
| Glycol         | %   | █ NEG | --- | --- | --- |
| Fuel           | %   | █ 1.2 | --- | --- | --- |
| Silicon        | ppm | █ 12  | --- | --- | --- |
| Sodium         | ppm | █ 3   | --- | --- | --- |
| Potassium      | ppm | █ 4   | --- | --- | --- |

### Diagnosis

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Aucune autre mesure corrective n'est recommandée pour l'instant. Les taux de métaux sont typiques d'une première vidange. Légère dilution de carburant dans l'huile. Aucun autre contaminant n'a été détecté dans l'huile. L'état de l'huile est acceptable pour la durée de service.



## WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | █ 12  | --- | --- | --- |
| Copper     | ppm | █ 15  | --- | --- | --- |
| Lead       | ppm | █ 3   | --- | --- | --- |
| Tin        | ppm | █ 2   | --- | --- | --- |
| Aluminum   | ppm | █ 7   | --- | --- | --- |
| Chromium   | ppm | █ < 1 | --- | --- | --- |
| Molybdenum | ppm | █ 4   | --- | --- | --- |
| Nickel     | ppm | █ 8   | --- | --- | --- |
| Titanium   | ppm | █ 0   | --- | --- | --- |
| Silver     | ppm | █ 1   | --- | --- | --- |
| Manganese  | ppm | █ 2   | --- | --- | --- |
| Vanadium   | ppm | █ 0   | --- | --- | --- |



## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 1944 | --- | --- | --- |
| Magnesium  | ppm | █ 245  | --- | --- | --- |
| Zinc       | ppm | █ 1045 | --- | --- | --- |
| Phosphorus | ppm | █ 960  | --- | --- | --- |
| Barium     | ppm | █ 9    | --- | --- | --- |
| Boron      | ppm | █ 18   | --- | --- | --- |

**Depot:** VOLVO0228  
**Unique No:** 5697946  
**Signed:** Wes Davis  
**Report Date:** 27 Dec 2023



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## GRAPHS

