



# CONSTRUCTION EQUIPMENT

SULVITE AGRI-SERVICES 387806 VOLVO L120H 633153 - DIESEL ENGINE



**Sample No:** VCP394530  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 387806



## SAMPLE INFORMATION

|               |             |             |     |     |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP394530   | VCP381010   | --- | --- |
| Sample Date   | 11 Dec 2023 | 03 Apr 2023 | --- | --- |
| Machine Hours | 1065        | 448         | --- | --- |
| Oil Hours     | 0           | 0           | --- | --- |
| Oil Changed   | N/A         | Changed     | --- | --- |
| Sample Status | NORMAL      | NORMAL      | --- | --- |

### STRONGCO EQUIPMENT (CE)

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## OIL CONDITION

|                |     |        |        |     |     |
|----------------|-----|--------|--------|-----|-----|
| Visc @ 100°C   | cSt | █ 13.1 | █ 12.4 | --- | --- |
| Oxidation (PA) | %   | █ 83   | █ 73   | --- | --- |



## CONTAMINATION

|                |     |       |       |     |     |
|----------------|-----|-------|-------|-----|-----|
| Water          | %   | NEG   | NEG   | --- | --- |
| Soot %         | %   | █ 0.4 | █ 0   | --- | --- |
| Nitration (PA) | %   | █ 65  | █ 58  | --- | --- |
| Sulfation (PA) | %   | █ 64  | █ 61  | --- | --- |
| Glycol         | %   | NEG   | NEG   | --- | --- |
| Fuel           | %   | <1.0  | █ 0.9 | --- | --- |
| Silicon        | ppm | █ 8   | █ 16  | --- | --- |
| Sodium         | ppm | █ 3   | █ 4   | --- | --- |
| Potassium      | ppm | █ <1  | █ 2   | --- | --- |

### 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.



## WEAR METALS

|            |     |      |      |     |     |
|------------|-----|------|------|-----|-----|
| Iron       | ppm | █ 27 | █ 32 | --- | --- |
| Copper     | ppm | █ 8  | █ 13 | --- | --- |
| Lead       | ppm | █ 2  | █ 3  | --- | --- |
| Tin        | ppm | █ 2  | █ 3  | --- | --- |
| Aluminum   | ppm | █ 24 | █ 55 | --- | --- |
| Chromium   | ppm | █ 2  | █ 5  | --- | --- |
| Molybdenum | ppm | █ 40 | █ 38 | --- | --- |
| Nickel     | ppm | █ <1 | █ <1 | --- | --- |
| Titanium   | ppm | 0    | <1   | --- | --- |
| Silver     | ppm | █ <1 | █ <1 | --- | --- |
| Manganese  | ppm | █ <1 | █ 3  | --- | --- |
| Vanadium   | ppm | 0    | 0    | --- | --- |



## ADDITIVES

|            |     |        |        |     |     |
|------------|-----|--------|--------|-----|-----|
| Calcium    | ppm | █ 1654 | █ 1577 | --- | --- |
| Magnesium  | ppm | █ 529  | █ 616  | --- | --- |
| Zinc       | ppm | █ 1090 | █ 1091 | --- | --- |
| Phosphorus | ppm | █ 896  | █ 1034 | --- | --- |
| Barium     | ppm | █ 2    | █ 13   | --- | --- |
| Boron      | ppm | █ 36   | █ 51   | --- | --- |

**Depot:** VOLVO0252  
**Unique No:** 5696122  
**Signed:** Wes Davis  
**Report Date:** 14 Dec 2023



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## GRAPHS

