



# CONSTRUCTION EQUIPMENT

## SWA401805-10 VOLVO L110F 61750 - FRONT AXLE



**Sample No:** VCP428585  
**Oil Type:** TDH FLUID SAE 75W80  
**Job No:** SWA401805-10



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP428585   | --- | --- | --- |
| Sample Date   | 01 Nov 2023 | --- | --- | --- |
| Machine Hours | 7227        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | MARGINAL    | --- | --- | --- |

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
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### OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 42.9 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | █ 21 | --- | --- | --- |
| Sodium    | ppm | █ 4  | --- | --- | --- |
| Potassium | ppm | █ <1 | --- | --- | --- |



### WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | █ 62 | --- | --- | --- |
| Copper     | ppm | █ 0  | --- | --- | --- |
| Lead       | ppm | █ 0  | --- | --- | --- |
| Tin        | ppm | █ 0  | --- | --- | --- |
| Aluminum   | ppm | █ 3  | --- | --- | --- |
| Chromium   | ppm | █ <1 | --- | --- | --- |
| Molybdenum | ppm | █ 0  | --- | --- | --- |
| Nickel     | ppm | █ 0  | --- | --- | --- |
| Titanium   | ppm | 0    | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | █ <1 | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | █ 3762 | --- | --- | --- |
| Magnesium  | ppm | █ 13   | --- | --- | --- |
| Zinc       | ppm | █ 1498 | --- | --- | --- |
| Phosphorus | ppm | █ 1214 | --- | --- | --- |
| Barium     | ppm | █ 0    | --- | --- | --- |
| Boron      | ppm | █ 132  | --- | --- | --- |

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0142  
**Unique No:** 10727746  
**Signed:** Doug Bogart  
**Report Date:** 07 Nov 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

