



# CONSTRUCTION EQUIPMENT

## 402883 VOLVO L30GS 3224706 - HYDRAULIC SYSTEM



**Sample No:** VCP434280  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 402883



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP434280   | --- | --- | --- |
| Sample Date   | 01 Nov 2023 | --- | --- | --- |
| Machine Hours | 1298        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Not Chngd   | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

**ALTA EQUIPMENT COMPANY**  
5151 DR MARTIN LUTHER KING BLVD  
FORT MYERS, FL  
US 33905  
Contact: TODD LARK  
tlark@altaequipfl.com  
T:  
F: (239)481-3302



### OIL CONDITION

|                  |          |        |     |     |     |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C      | cSt      | █ 41.3 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.48 | --- | --- | --- |



### CONTAMINATION

|                   |     |          |     |     |     |
|-------------------|-----|----------|-----|-----|-----|
| Particles >4µm    |     | █ 3067   | --- | --- | --- |
| Particles >6µm    |     | █ 361    | --- | --- | --- |
| Particles >14µm   |     | █ 27     | --- | --- | --- |
| ISO 4406:1999 (c) |     | 19/16/12 | --- | --- | --- |
| Silicon           | ppm | █ 1      | --- | --- | --- |
| Sodium            | ppm | █ <1     | --- | --- | --- |
| Potassium         | ppm | █ 0      | --- | --- | --- |

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

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



### ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 46  | --- | --- | --- |
| Magnesium  | ppm | █ <1  | --- | --- | --- |
| Zinc       | ppm | █ 409 | --- | --- | --- |
| Phosphorus | ppm | █ 308 | --- | --- | --- |
| Barium     | ppm | █ 0   | --- | --- | --- |
| Boron      | ppm | █ 0   | --- | --- | --- |

**Depot:** VOLVO0090  
**Unique No:** 10726263  
**Signed:** Wes Davis  
**Report Date:** 06 Nov 2023

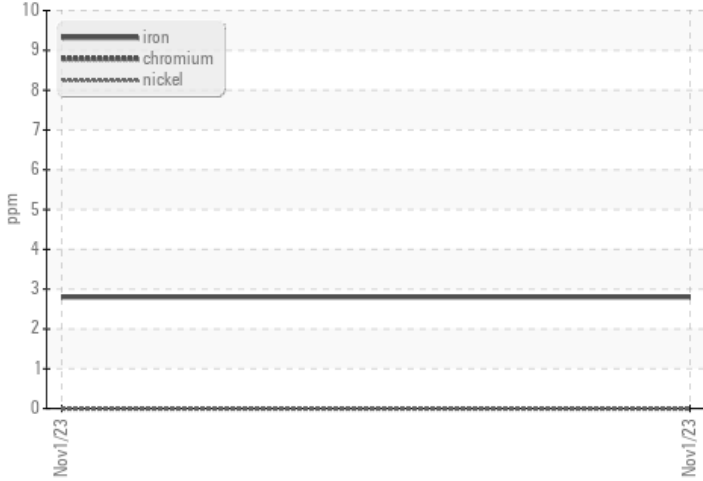


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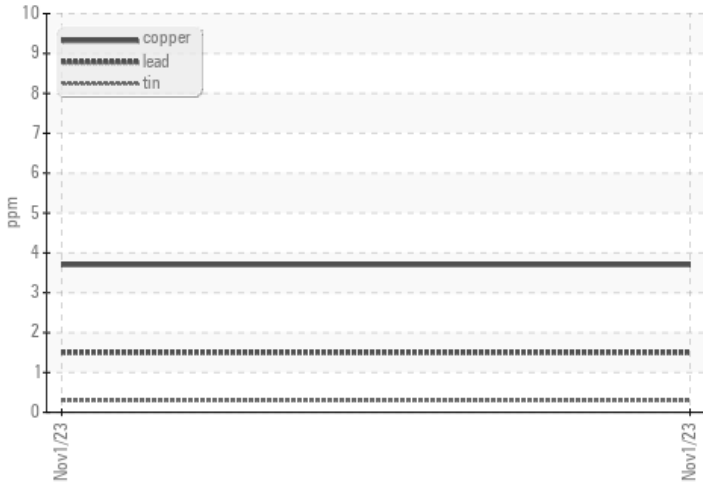


## VOLVO GRAPHS

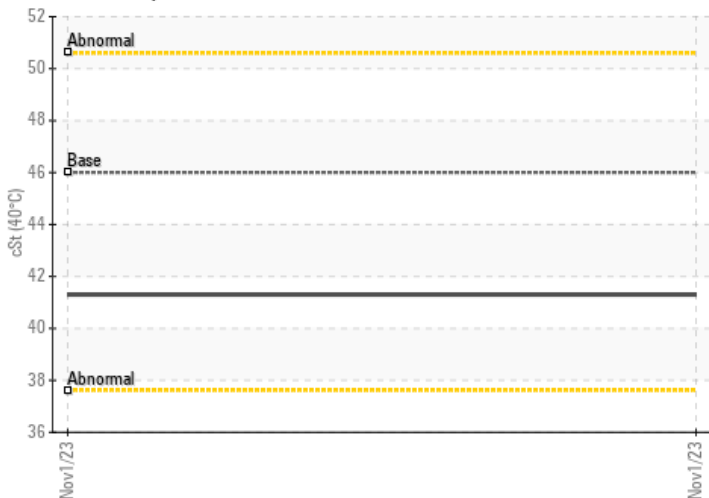
### Ferrous Alloys



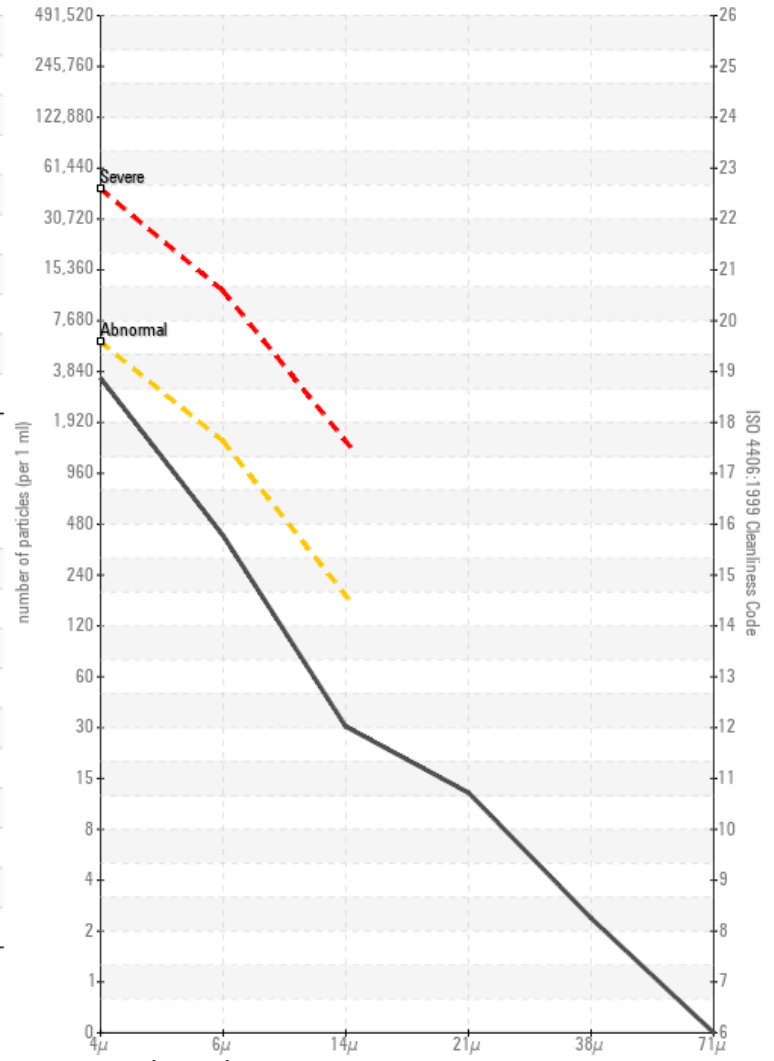
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

