



# CONSTRUCTION EQUIPMENT

## VOLVO L150H 6989 - HYDRAULIC SYSTEM



**Sample No:** VCP432774  
**Oil Type:** VALVOLINE ALLFLEET 10W  
**Job No:**



### SAMPLE INFORMATION

|               |             |             |     |     |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP432774   | VCP411572   | --- | --- |
| Sample Date   | 22 Feb 2024 | 02 Oct 2023 | --- | --- |
| Machine Hours | 6479        | 5387        | --- | --- |
| Oil Hours     | 0           | 0           | --- | --- |
| Oil Changed   | Changed     | Changed     | --- | --- |
| Sample Status | ABNORMAL    | NORMAL      | --- | --- |

**CITY CARTING**  
 221 OLD GATE LN  
 MILFORD, CT  
 US 06460  
 Contact: TAVINS BANKS  
 tavins@citycart.net  
 T: (203)223-3885  
 F:



### OIL CONDITION

|                  |          |      |      |     |     |
|------------------|----------|------|------|-----|-----|
| Visc @ 40°C      | cSt      | 43.2 | 42.4 | --- | --- |
| Acid Number (AN) | mg KOH/g | 0.74 | 0.37 | --- | --- |



### CONTAMINATION

|                   |     |          |          |     |     |
|-------------------|-----|----------|----------|-----|-----|
| Water             | %   | NEG      | NEG      | --- | --- |
| Particles >4µm    |     | 121549   | 2354     | --- | --- |
| Particles >6µm    |     | 29739    | 734      | --- | --- |
| Particles >14µm   |     | 1949     | 50       | --- | --- |
| ISO 4406:1999 (c) |     | 24/22/18 | 18/17/13 | --- | --- |
| Silicon           | ppm | 4        | 1        | --- | --- |
| Sodium            | ppm | 6        | 4        | --- | --- |
| Potassium         | ppm | 2        | 0        | --- | --- |

### Diagnosis

The oil change at the time of sampling has been noted. We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



### WEAR METALS

|            |     |    |    |     |     |
|------------|-----|----|----|-----|-----|
| Iron       | ppm | 9  | 2  | --- | --- |
| Copper     | ppm | 2  | 3  | --- | --- |
| Lead       | ppm | 2  | <1 | --- | --- |
| Tin        | ppm | <1 | <1 | --- | --- |
| Aluminum   | ppm | 1  | 0  | --- | --- |
| Chromium   | ppm | 3  | 4  | --- | --- |
| Molybdenum | ppm | 6  | 0  | --- | --- |
| Nickel     | ppm | <1 | 0  | --- | --- |
| Titanium   | ppm | 1  | 0  | --- | --- |
| Silver     | ppm | 0  | 0  | --- | --- |
| Manganese  | ppm | <1 | <1 | --- | --- |
| Vanadium   | ppm | 0  | 0  | --- | --- |



### ADDITIVES

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Calcium    | ppm | 1729 | 49  | --- | --- |
| Magnesium  | ppm | 52   | 1   | --- | --- |
| Zinc       | ppm | 1044 | 410 | --- | --- |
| Phosphorus | ppm | 843  | 325 | --- | --- |
| Barium     | ppm | 0    | 0   | --- | --- |
| Boron      | ppm | 13   | 0   | --- | --- |

**Depot:** CITMILCON  
**Unique No:** 10902497  
**Signed:** Don Baldrige  
**Report Date:** 02 Mar 2024

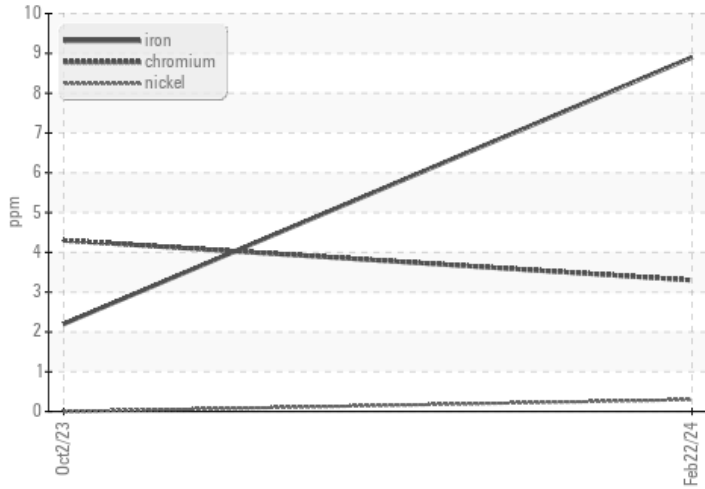


# CONSTRUCTION EQUIPMENT

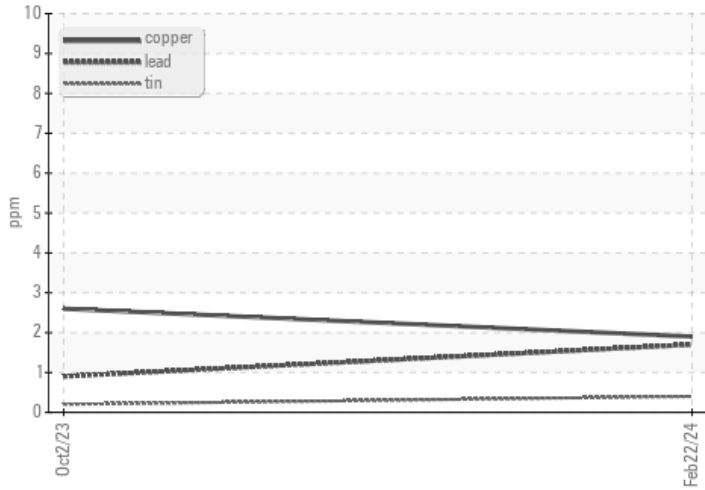


## GRAPHS

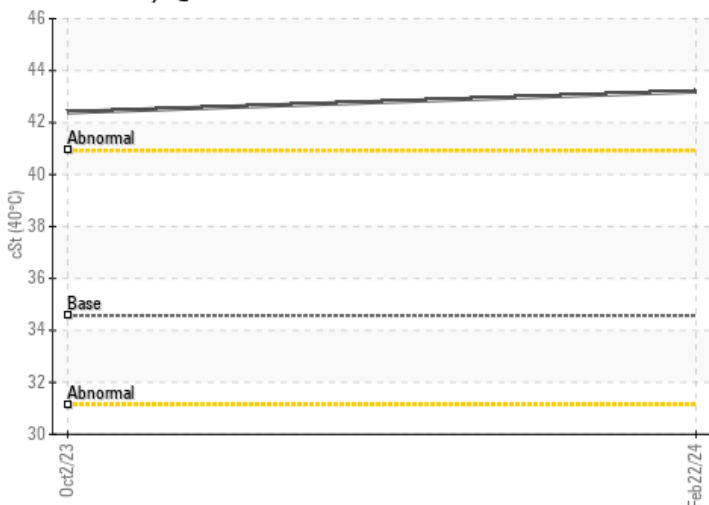
### Ferrous Alloys



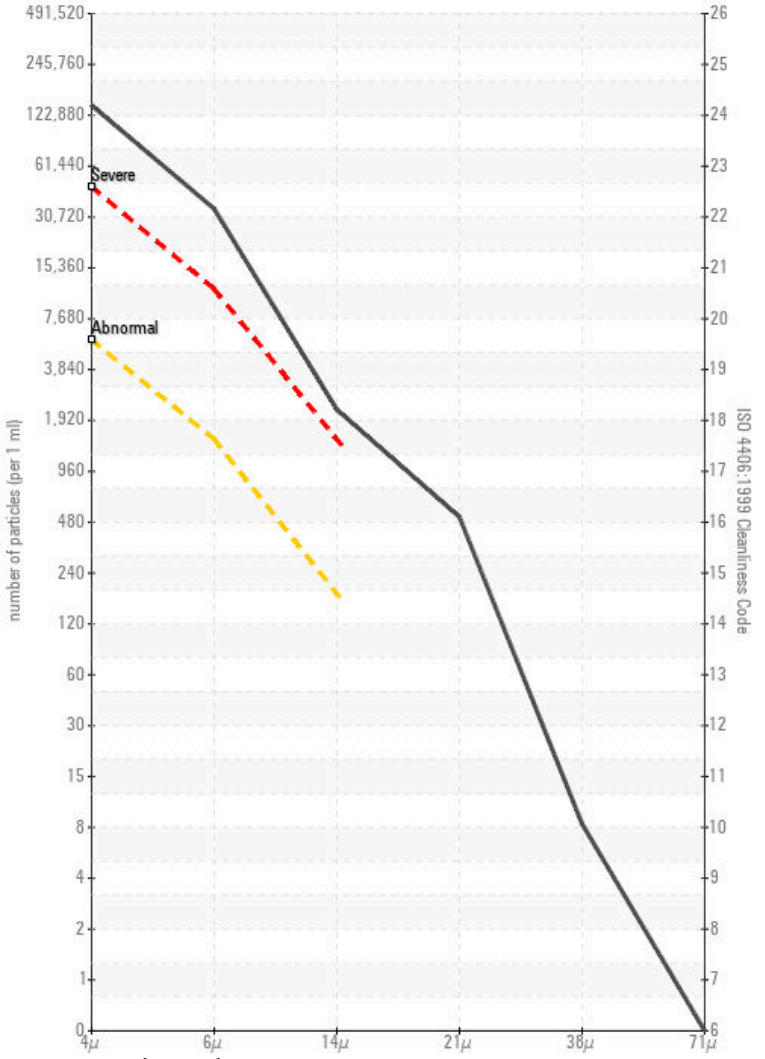
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

