



# CONSTRUCTION EQUIPMENT

593839 DC MARINE TAKEUCHI TL8 408001361 - HYDRAULIC SYSTEM



**Sample No:** VCP417687  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 593839 DC MARINE



## SAMPLE INFORMATION

Sample Number	VCP417687	---	---	---
Sample Date	08 Aug 2023	---	---	---
Machine Hours	44	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 43.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.83	---	---	---



## CONTAMINATION

Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---



## WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 33	---	---	---
Lead	ppm	█ 3	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 15	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 3198	---	---	---
Magnesium	ppm	█ 21	---	---	---
Zinc	ppm	█ 623	---	---	---
Phosphorus	ppm	█ 554	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 14	---	---	---

## Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0096  
**Unique No:** 10616085  
**Signed:** Don Baldrige  
**Report Date:** 23 Aug 2023

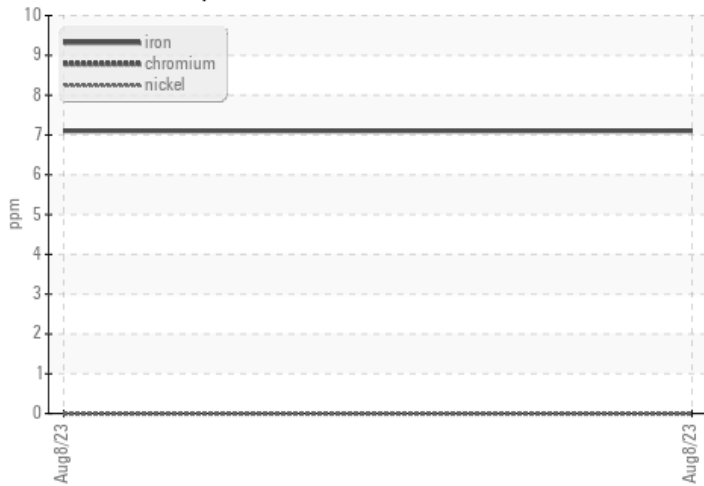


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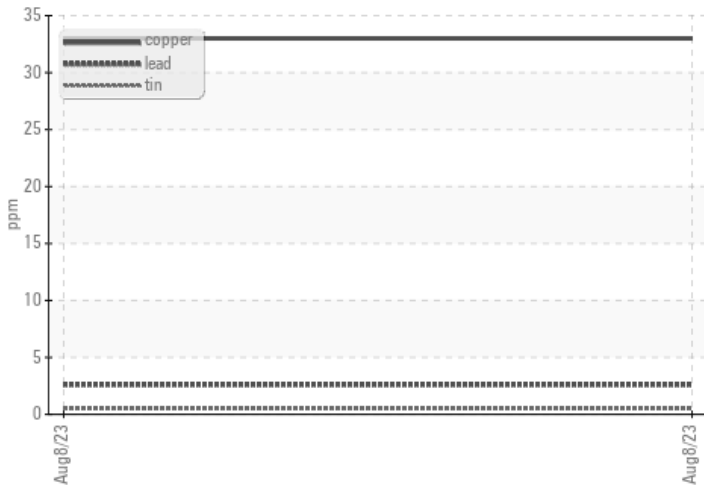


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

