



# CONSTRUCTION EQUIPMENT

## VOLVO EC60 3 15303 - HYDRAULIC SYSTEM



**Sample No:** VCP393789  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP393789	---	---	---
Sample Date	27 Jul 2023	---	---	---
Machine Hours	567	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: ROBERT TURNER  
rturner@ripatampa.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 43.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.45	---	---	---



### CONTAMINATION

Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---



### WEAR METALS

Iron	ppm	█ 1	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 89	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 480	---	---	---
Phosphorus	ppm	█ 391	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

### Diagnosis

We recommend you service the filters on this component. 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. 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 suitable for further service.

**Depot:** RIPTAM  
**Unique No:** 10607131  
**Signed:** Jonathan Hester  
**Report Date:** 21 Aug 2023

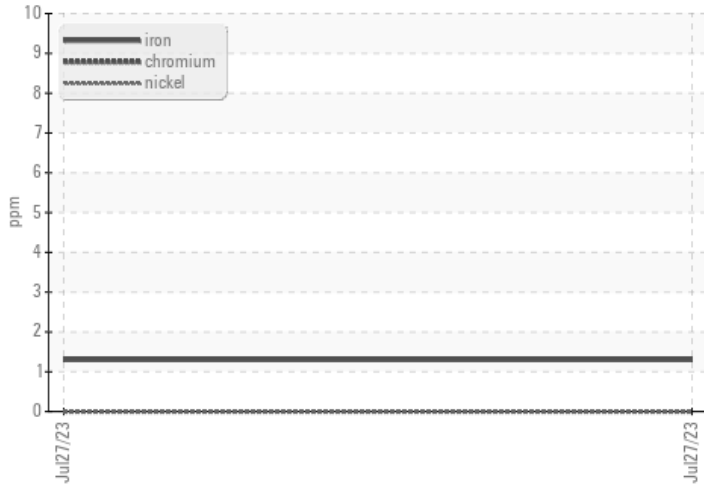


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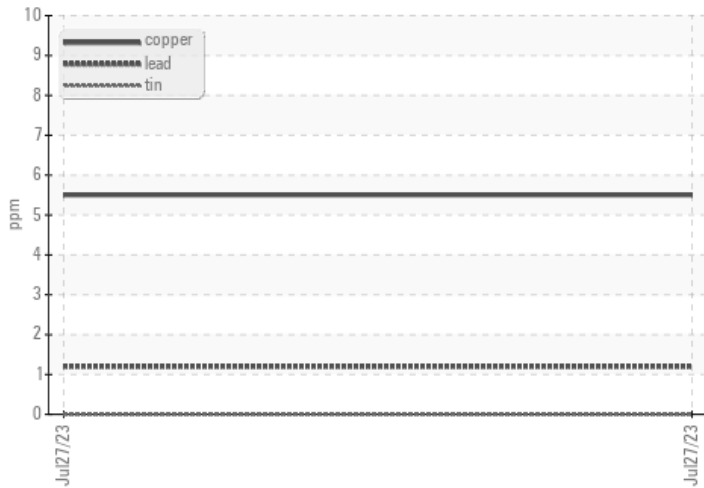


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

