



# CONSTRUCTION EQUIPMENT

SOUTHERN CONSTRUCTION W07013697

VOLVO EC160 314483 - HYDRAULIC SYSTEM



**Sample No:** VCP409376  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** W07013697



**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611

## SAMPLE INFORMATION

Sample Number	VCP409376	---	---	---
Sample Date	26 Oct 2023	---	---	---
Machine Hours	488	---	---	---
Oil Hours	488	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

## OIL CONDITION

Visc @ 40°C	cSt	█ 43.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.62	---	---	---

## CONTAMINATION

Particles >4µm		█ 2318	---	---	---
Particles >6µm		█ 550	---	---	---
Particles >14µm		█ 42	---	---	---
ISO 4406:1999 (c)		18/16/13	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

## WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 28	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	<1	---	---	---

## ADDITIVES

Calcium	ppm	█ 93	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 566	---	---	---
Phosphorus	ppm	█ 415	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

## Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** VOLVO8882  
**Unique No:** 10737254  
**Signed:** Don Baldrige  
**Report Date:** 13 Nov 2023

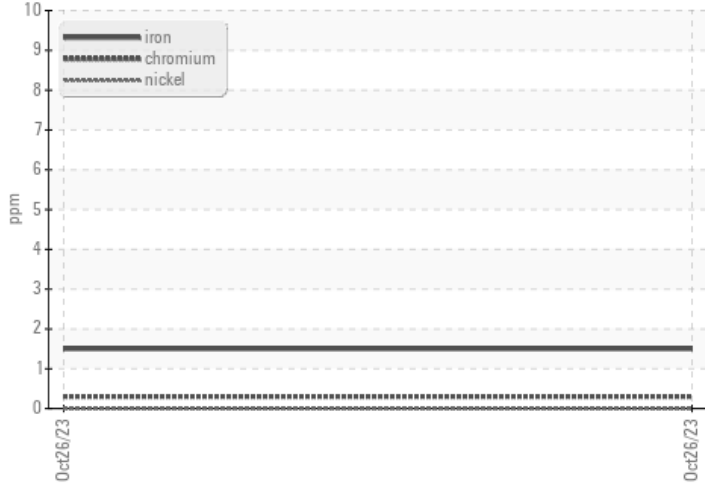


# CONSTRUCTION EQUIPMENT

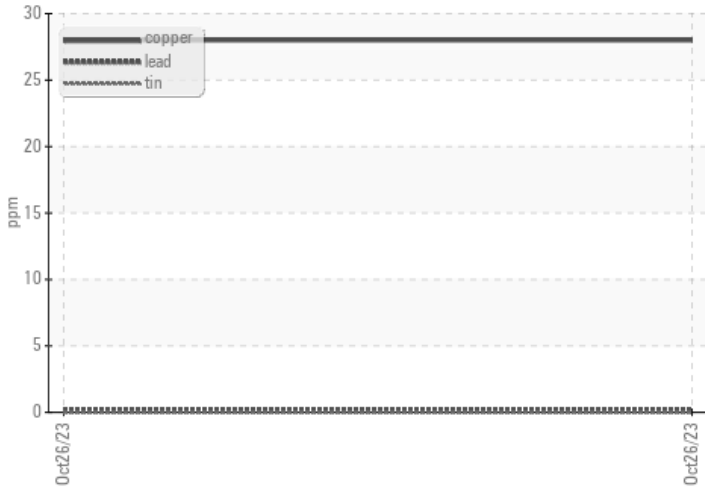


## VOLVO GRAPHS

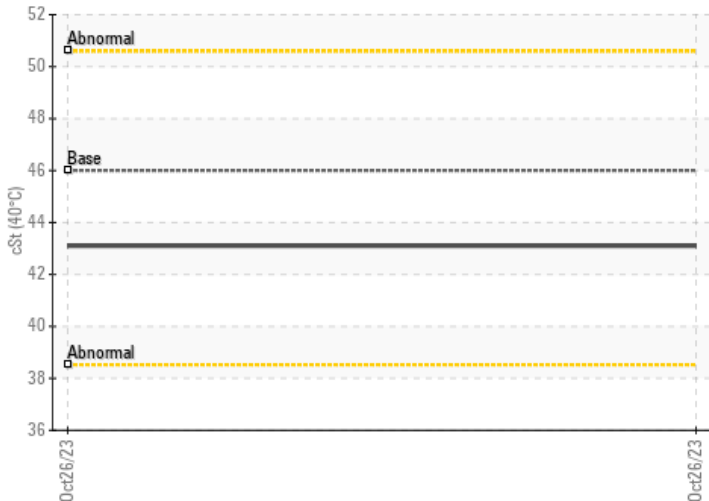
### Ferrous Alloys



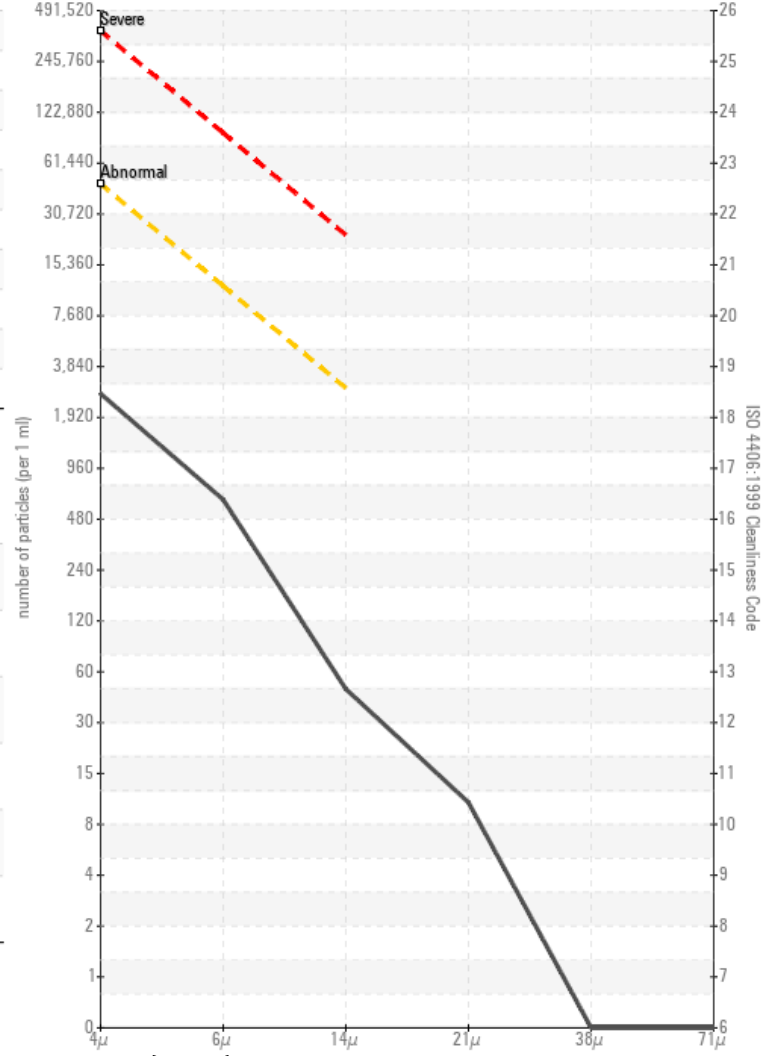
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

