



# CONSTRUCTION EQUIPMENT

## 50403980 FORCE DEMO VOLVO EC480EHR 391020 - HYDRAULIC SYSTEM



**Sample No:** VCP455311  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 50403980 FORCE DEMO



### SAMPLE INFORMATION

Sample Number	VCP455311	---	---	---
Sample Date	01 Jul 2024	---	---	---
Machine Hours	1910	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

**VCES- VOLVO CONSTRUCTION EQUIPMENT**  
 22099 KNABE ROAD  
 CORONA, CA  
 US 92883  
 Contact: OSCAR DEL CAMPO  
 oscar.delcampo@vcesvolvo.com  
 T: (951)277-7620  
 F: (951)277-4550



### OIL CONDITION

Visc @ 40°C	cSt	█ 43.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.45	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 32604	---	---	---
Particles >6µm		● 2143	---	---	---
Particles >14µm		█ 40	---	---	---
ISO 4406:1999 (c)		22/18/12	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



### WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 34	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 143	---	---	---
Magnesium	ppm	█ 25	---	---	---
Zinc	ppm	█ 462	---	---	---
Phosphorus	ppm	█ 372	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

### Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.  
 All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

**Depot:** VOLVO4486  
**Unique No:** 11110825  
**Signed:** Wes Davis  
**Report Date:** 05 Jul 2024

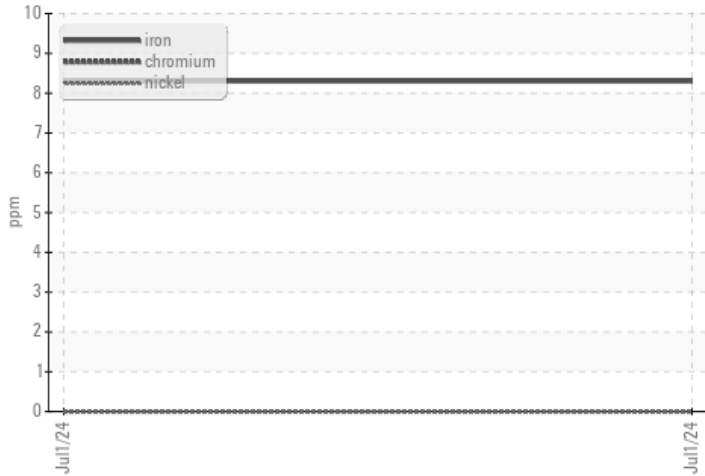


# CONSTRUCTION EQUIPMENT

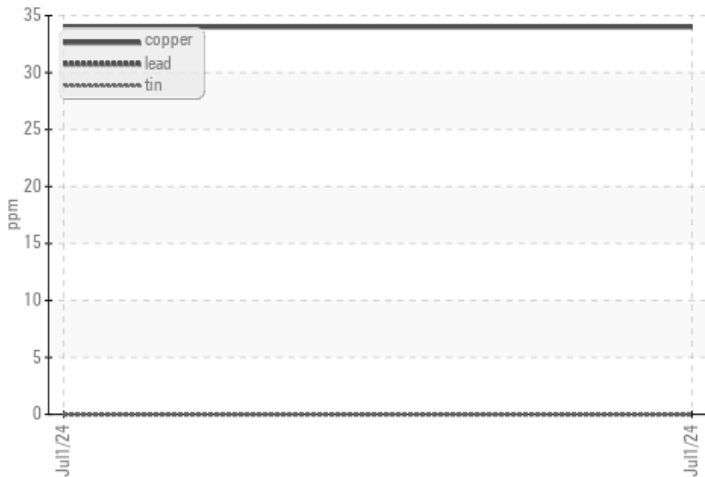


## GRAPHS

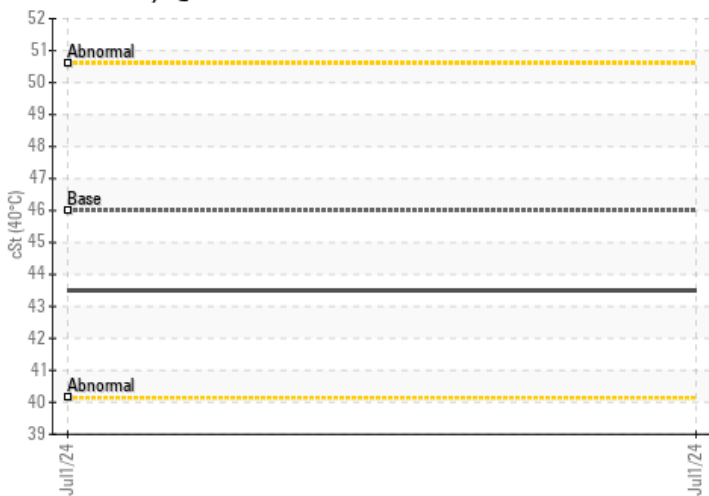
### Ferrous Alloys



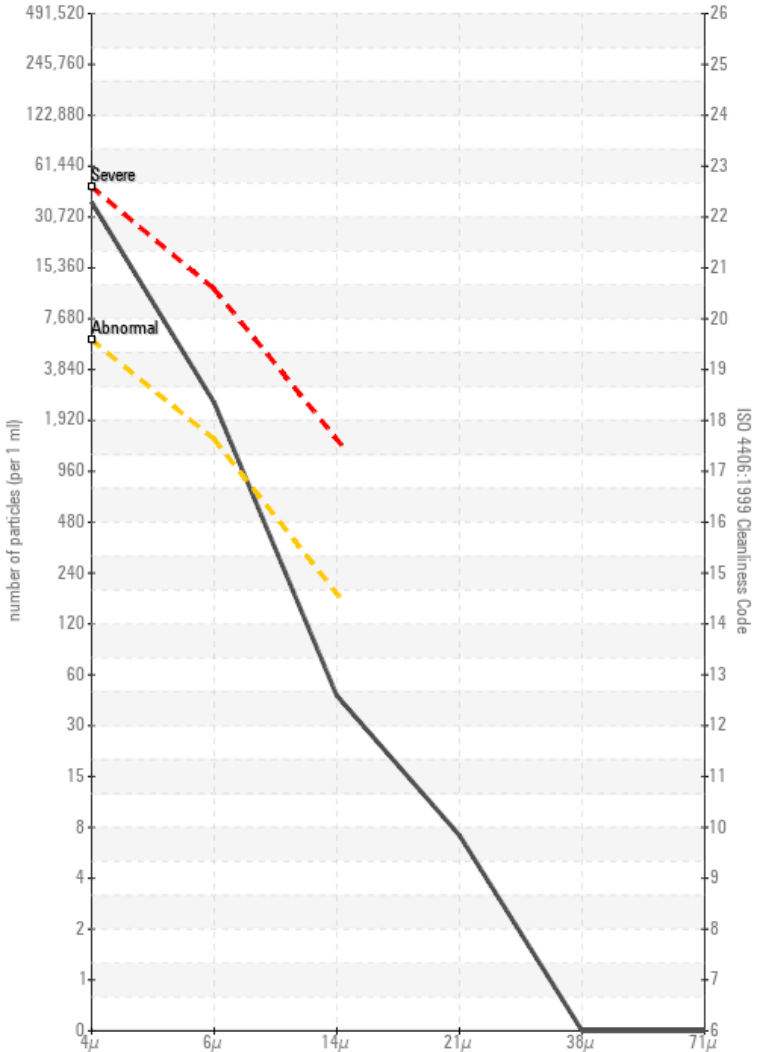
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

