



CONSTRUCTION EQUIPMENT

D12383 VOLVO EC480E 3 10665 - HYDRAULIC SYSTEM



Sample No: VCP407381
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: D12383



SAMPLE INFORMATION

Sample Number	VCP407381	---	---	---
Sample Date	19 Aug 2023	---	---	---
Machine Hours	7352	---	---	---
Oil Hours	456	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

A F GELHAR CO INC
 PO BOX 126
 MARKESAN, WI
 US 53946
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 40°C	cSt	█ 41.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.45	---	---	---

T: (920)398-3566
 F:

CONTAMINATION

Particles >4µm		█ 14499	---	---	---
Particles >6µm		█ 560	---	---	---
Particles >14µm		█ 21	---	---	---
ISO 4406:1999 (c)		21/16/12	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

Diagnosis
 Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 19	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ 0	---	---	---

ADDITIVES

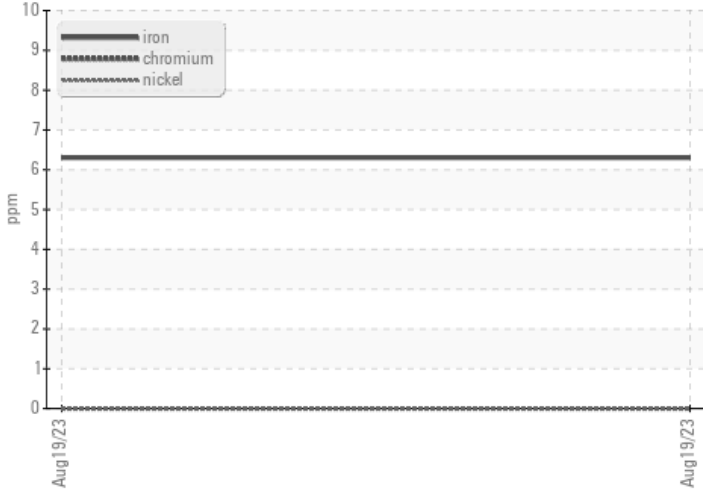
Calcium	ppm	█ 30	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 427	---	---	---
Phosphorus	ppm	█ 354	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: AFGMAR
Unique No: 10618744
Signed: Wes Davis
Report Date: 28 Aug 2023

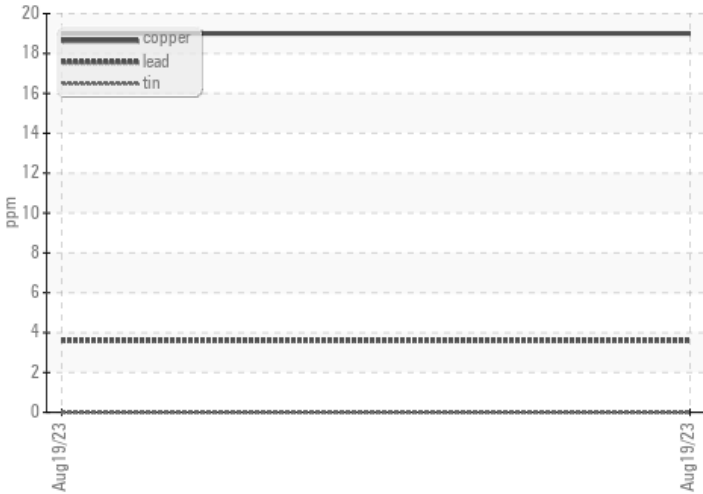


VOLVO GRAPHS

Ferrous Alloys



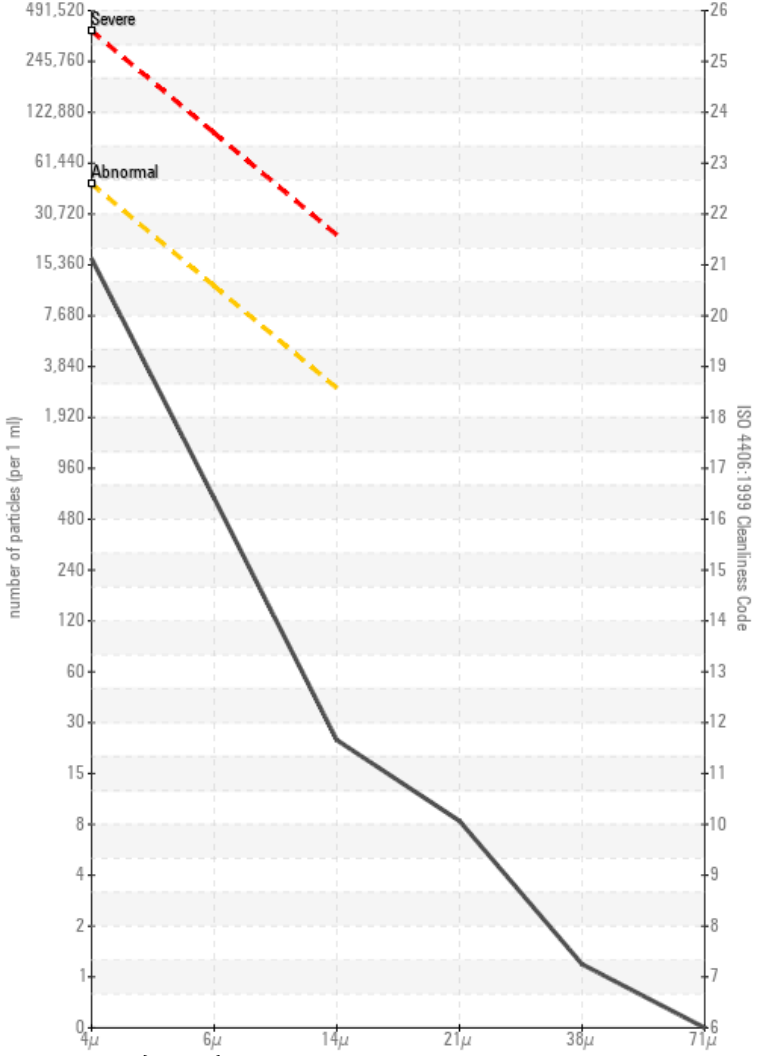
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

