



# CONSTRUCTION EQUIPMENT

## 703060 - HYDRAULIC SYSTEM



**Sample No:** VCP455424  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 703060



### SAMPLE INFORMATION

Sample Number	VCP455424	---	---	---
Sample Date	25 Apr 2024	---	---	---
Machine Hours	19901	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

### FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE  
 DETROIT, MI  
 US 48207

Contact: KEITH HALL  
 keith.hall@fpt1.com

T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 43.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.20	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 6173	---	---	---
Particles >6µm		█ 940	---	---	---
Particles >14µm		█ 66	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	█ 0	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	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.



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	█ 15	---	---	---
Magnesium	ppm	█ 10	---	---	---
Zinc	ppm	█ 347	---	---	---
Phosphorus	ppm	█ 288	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** FERDET  
**Unique No:** 11007539  
**Signed:** Don Baldrige  
**Report Date:** 06 May 2024

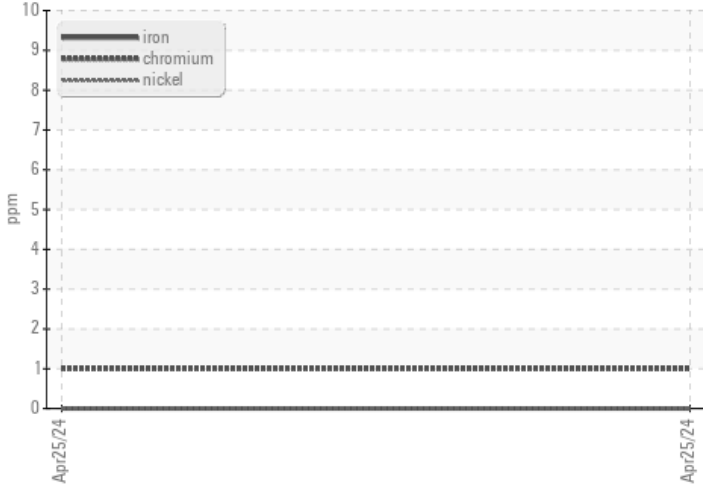


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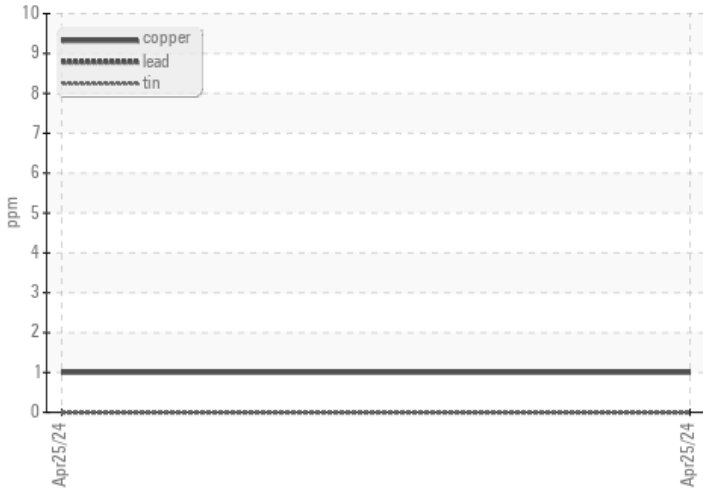


## VOLVO GRAPHS

### Ferrous Alloys



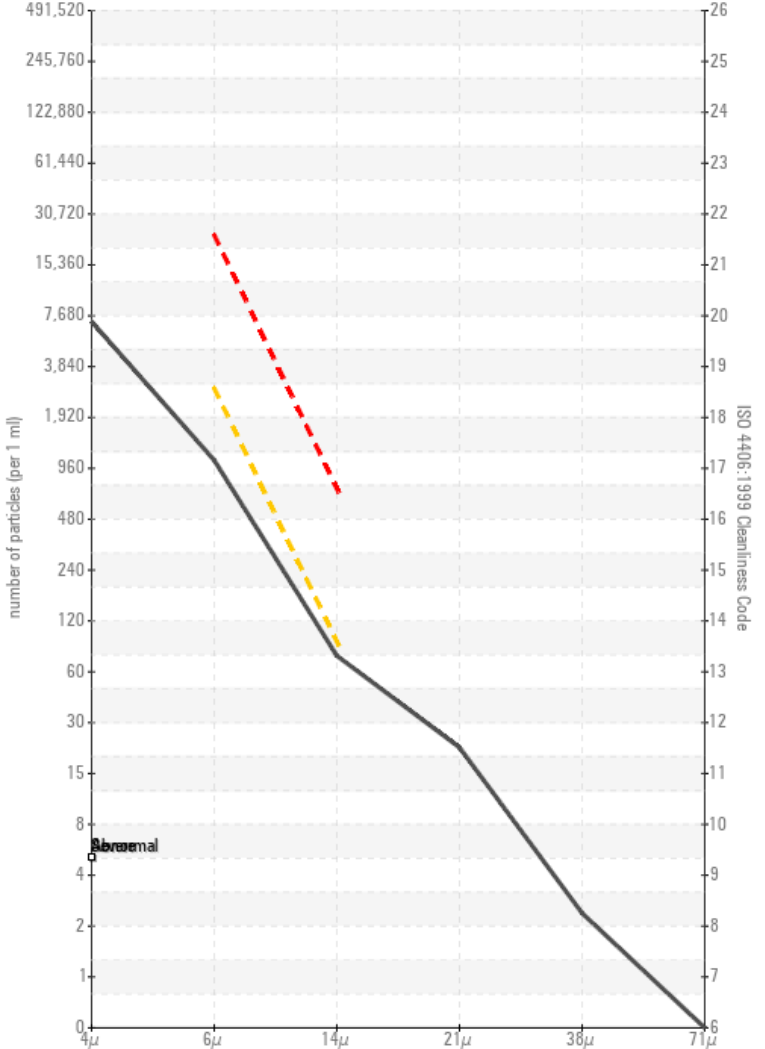
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

