



CONSTRUCTION EQUIPMENT

136982 VOLVO A45GFS 352079 - HYDRAULIC SYSTEM



Sample No: VCP347805

Oil Type: {unknown}

Job No: 136982



SAMPLE INFORMATION

Sample Number	VCP347805	---	---	---
Sample Date	22 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

MAX JANTZ EXCAVATING INC
 26503 11 RD
 MONTEZUMA, KS
 US 67867
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	■ 36.5	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.20	---	---	---

T: (620)640-5792
 F: (620)272-0843



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		■ 88920	---	---	---
Particles >6µm		▲ 13586	---	---	---
Particles >14µm		▲ 256	---	---	---
ISO 4406:1999 (c)		24/21/15	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	■ 20	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 27	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---



ADDITIVES

Calcium	ppm	■ 805	---	---	---
Magnesium	ppm	■ 574	---	---	---
Zinc	ppm	■ 944	---	---	---
Phosphorus	ppm	■ 849	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: MAXMONKS
Unique No: 10995712
Signed: Don Baldrige
Report Date: 26 Apr 2024

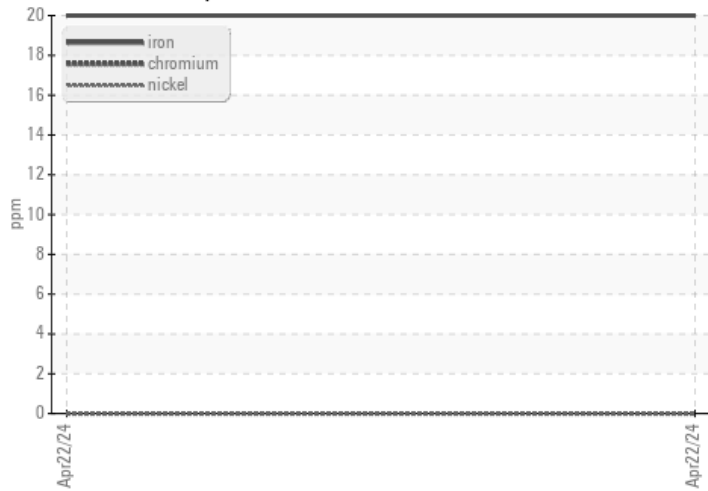


CONSTRUCTION EQUIPMENT

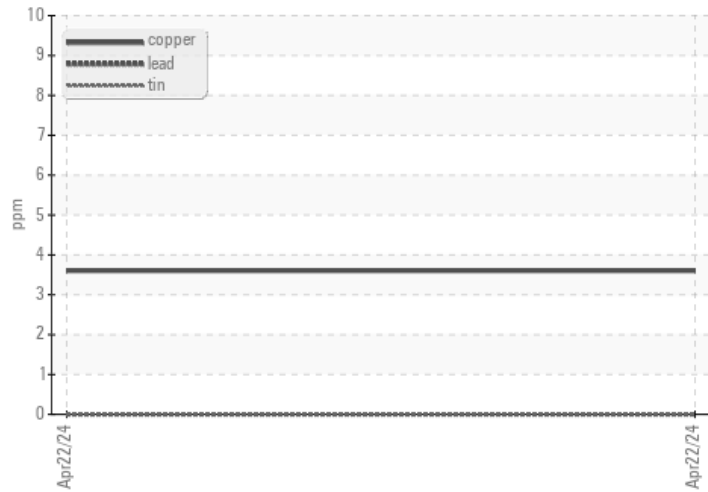


GRAPHS

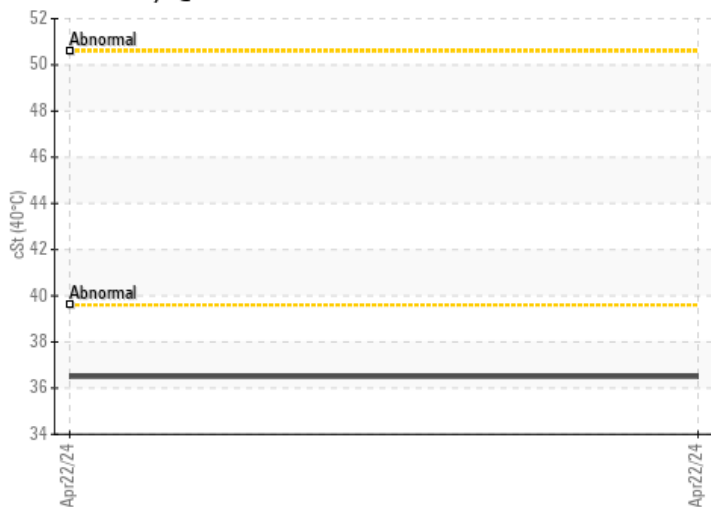
Ferrous Alloys



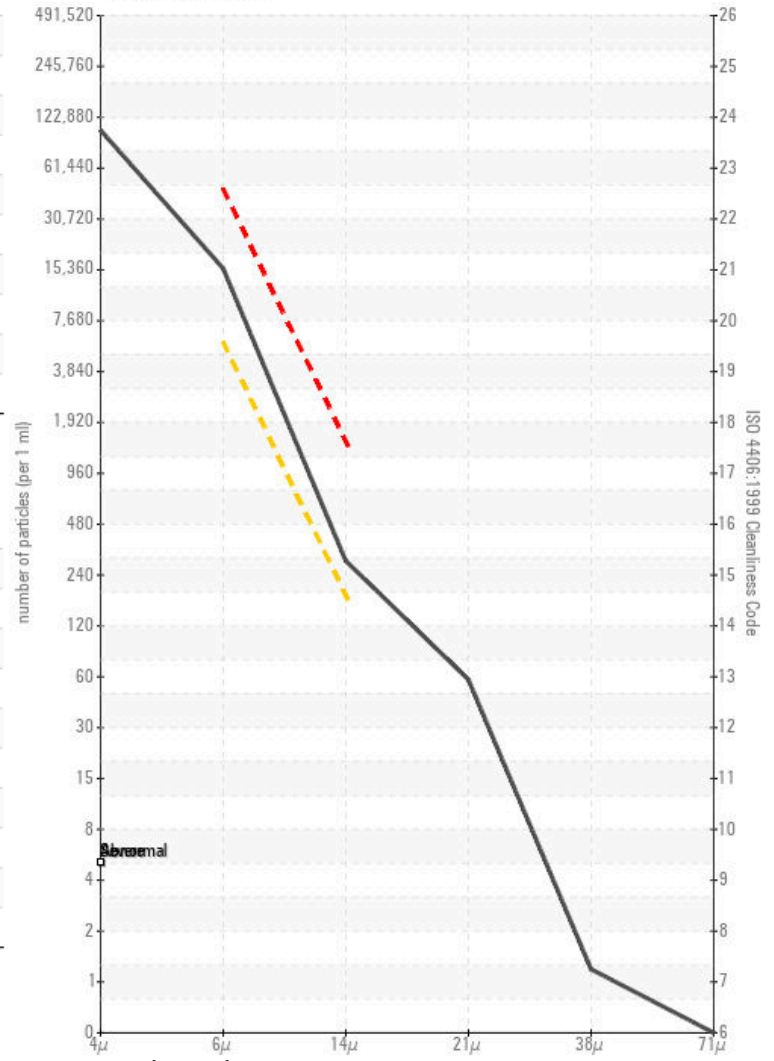
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

