



CONSTRUCTION EQUIPMENT

703612 RENTALS VOLVO EC380EL 315583 - HYDRAULIC SYSTEM



Sample No: VCP439149
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 703612 RENTALS



SAMPLE INFORMATION

Sample Number	VCP439149	---	---	---
Sample Date	09 May 2024	---	---	---
Machine Hours	1337	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY
5210 REESE ROAD
DAVIE, FL
US 33314
Contact: N. FACEY
nfacey@altaequipfl.com
T: (954)581-4744
F: (954)583-0318



OIL CONDITION

Visc @ 40°C	cSt	█ 41.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.46	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 14016	---	---	---
Particles >6µm		● 1742	---	---	---
Particles >14µm		█ 63	---	---	---
ISO 4406:1999 (c)		21/18/13	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. 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.



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ <1	---	---	---
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	█ 85	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 521	---	---	---
Phosphorus	ppm	█ 405	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0095
Unique No: 11035549
Signed: Wes Davis
Report Date: 21 May 2024

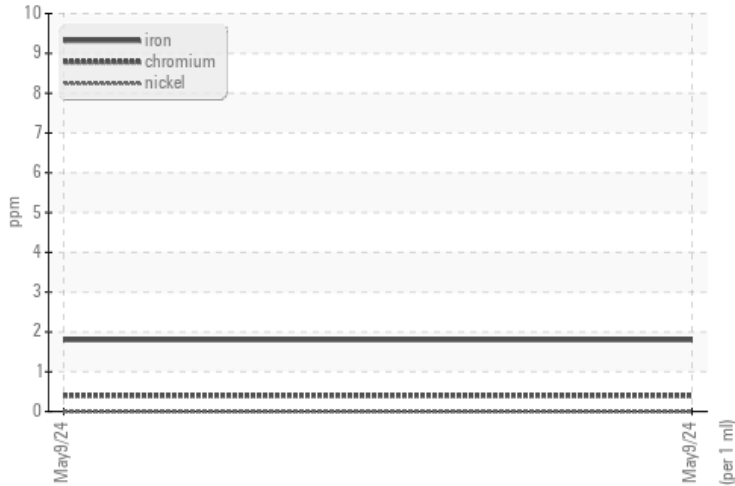


CONSTRUCTION EQUIPMENT

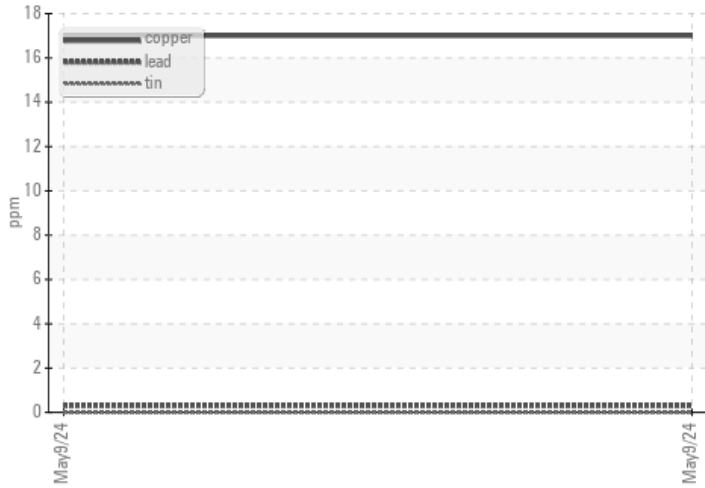


GRAPHS

Ferrous Alloys



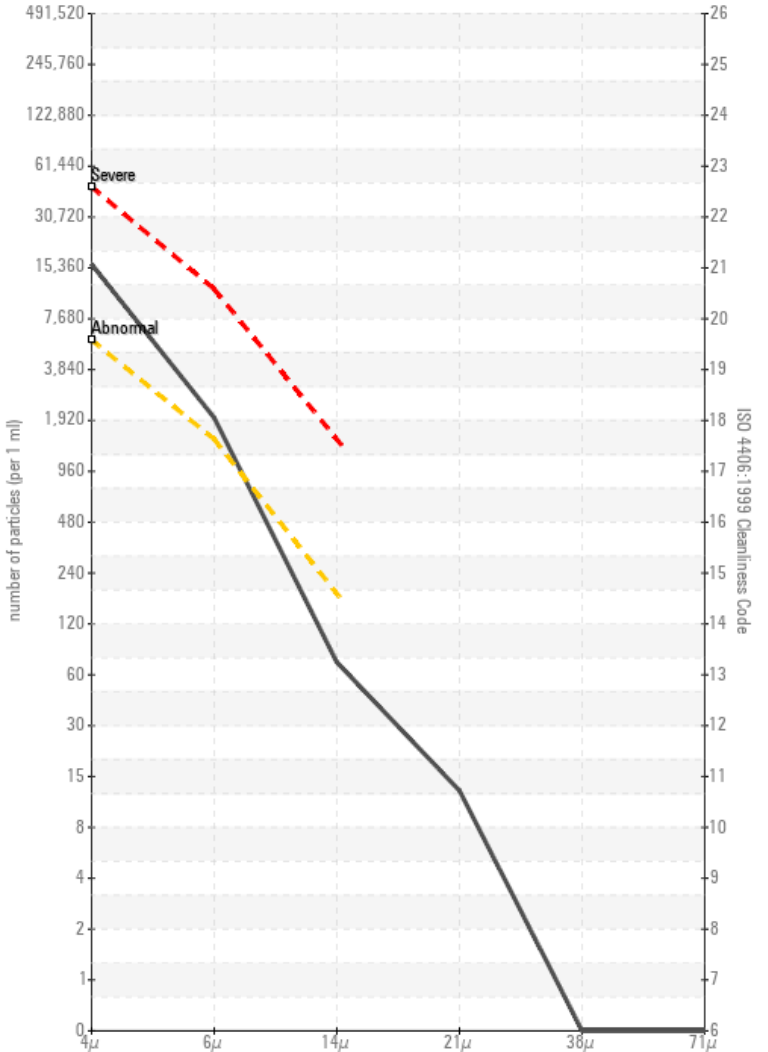
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

