



CONSTRUCTION EQUIPMENT

535390 VOLVO L110H 631617 - HYDRAULIC SYSTEM



Sample No: VCP444388

Oil Type: {unknown}

Job No: 535390



SAMPLE INFORMATION

Sample Number	VCP444388	---	---	---
Sample Date	05 Jun 2024	---	---	---
Machine Hours	8561	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---



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OIL CONDITION

Visc @ 40°C	cSt	█ 45.7	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.50	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 44870	---	---	---
Particles >6µm		▲ 12851	---	---	---
Particles >14µm		▲ 1052	---	---	---
ISO 4406:1999 (c)		23/21/17	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---



WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	650	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	618	---	---	---
Phosphorus	ppm	511	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. 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 (2 to 100 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: VOLVO0093
Unique No: 11071985
Signed: Wes Davis
Report Date: 12 Jun 2024

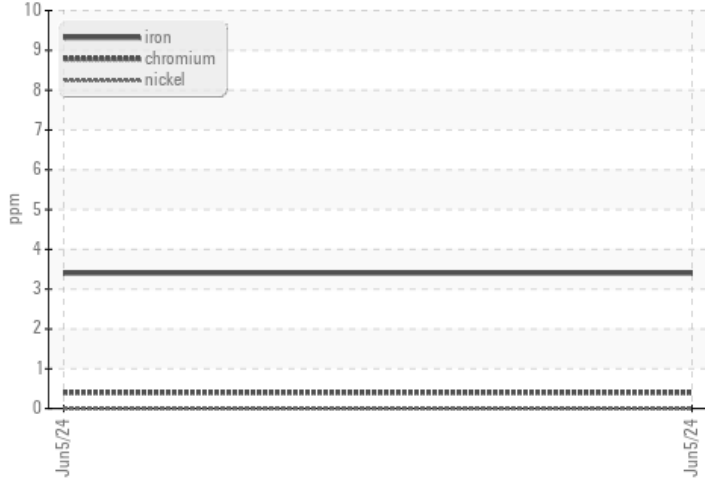


CONSTRUCTION EQUIPMENT

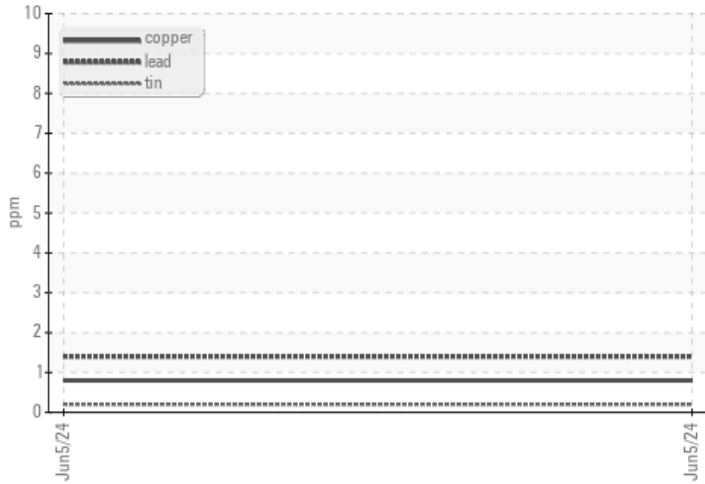


VOLVO GRAPHS

Ferrous Alloys



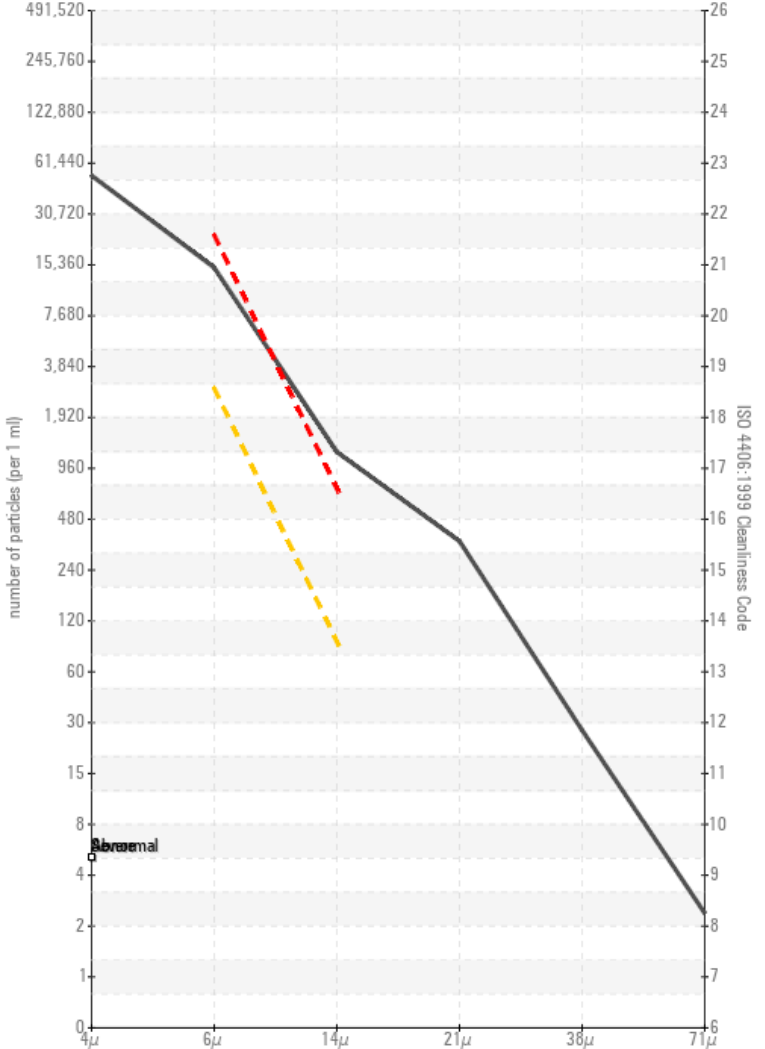
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

