



CONSTRUCTION EQUIPMENT

394474 VOLVO L50H 4321238 - HYDRAULIC SYSTEM



Sample No: VCP450437
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 394474



SAMPLE INFORMATION

Sample Number	VCP450437	---	---	---
Sample Date	13 Mar 2024	---	---	---
Machine Hours	4345	---	---	---
Oil Hours	700	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

STRONGCO EQUIP (AB)

6 - 38403 BURNT LAKE TRAIL
 RED DEER COUNTY, AB
 CA T4S 2L4
 Contact: Perry Doyle
 pdoyle@strongco.com
 T: (403)391-3520
 F: (403)346-3487



OIL CONDITION

Visc @ 40°C	cSt	█ 41.6	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 119446	---	---	---
Particles >6µm		▲ 22982	---	---	---
Particles >14µm		▲ 1667	---	---	---
ISO 4406:1999 (c)		24/22/18	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	█ 17	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 116	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 427	---	---	---
Phosphorus	ppm	█ 347	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

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. All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: VOLVO9652
Unique No: 5748198
Signed: Wes Davis
Report Date: 20 Mar 2024

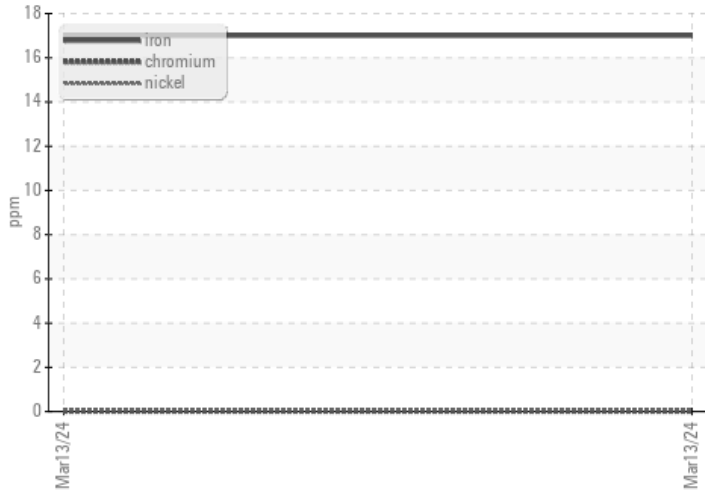


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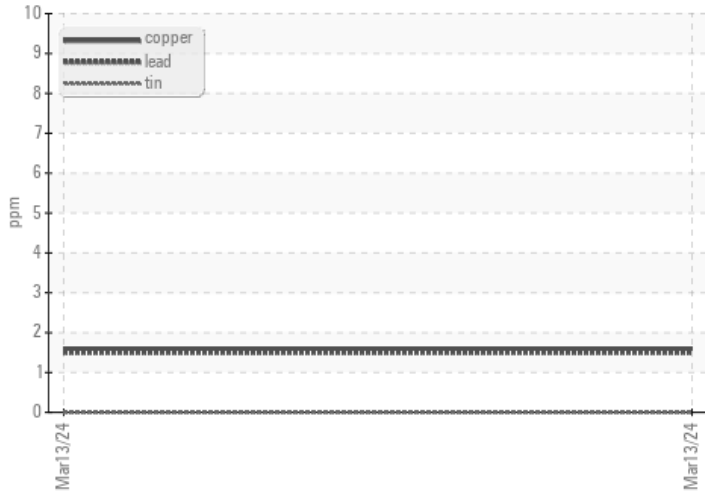


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

