



CONSTRUCTION EQUIPMENT

W07013157-1 VOLVO L70H 625149 - HYDRAULIC SYSTEM



Sample No: VCP331658
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: W07013157-1



SAMPLE INFORMATION

Sample Number	VCP331658	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	709	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

McClung-Logan Virginia LLC- RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 40°C	cSt	█ 43.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.41	---	---	---



CONTAMINATION

Particles >4µm		▲ 9123	---	---	---
Particles >6µm		▲ 3333	---	---	---
Particles >14µm		▲ 403	---	---	---
ISO 4406:1999 (c)		20/19/16	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate 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.



WEAR METALS

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



ADDITIVES

Calcium	ppm	█ 68	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 442	---	---	---
Phosphorus	ppm	█ 345	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO8882
Unique No: 10604095
Signed: Wes Davis
Report Date: 15 Aug 2023

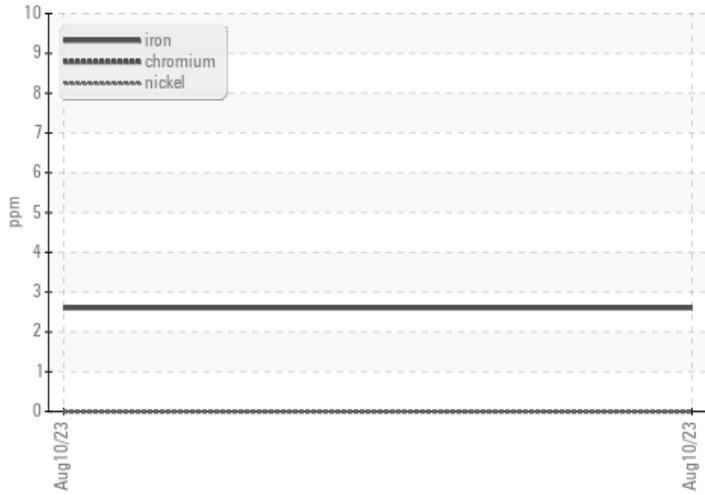


CONSTRUCTION EQUIPMENT

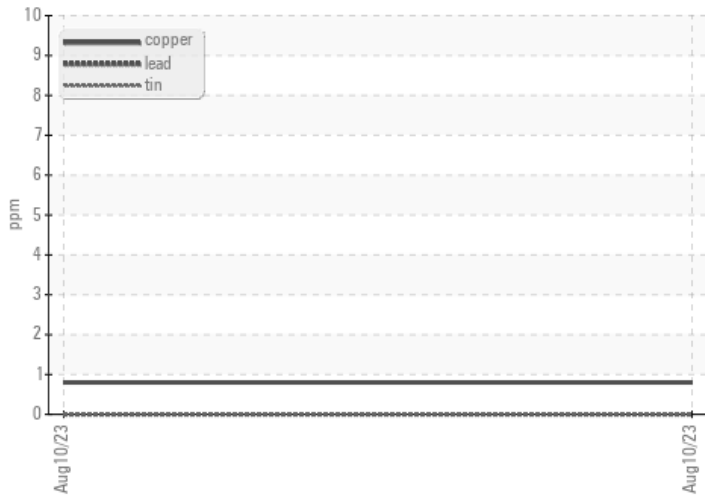


GRAPHS

Ferrous Alloys



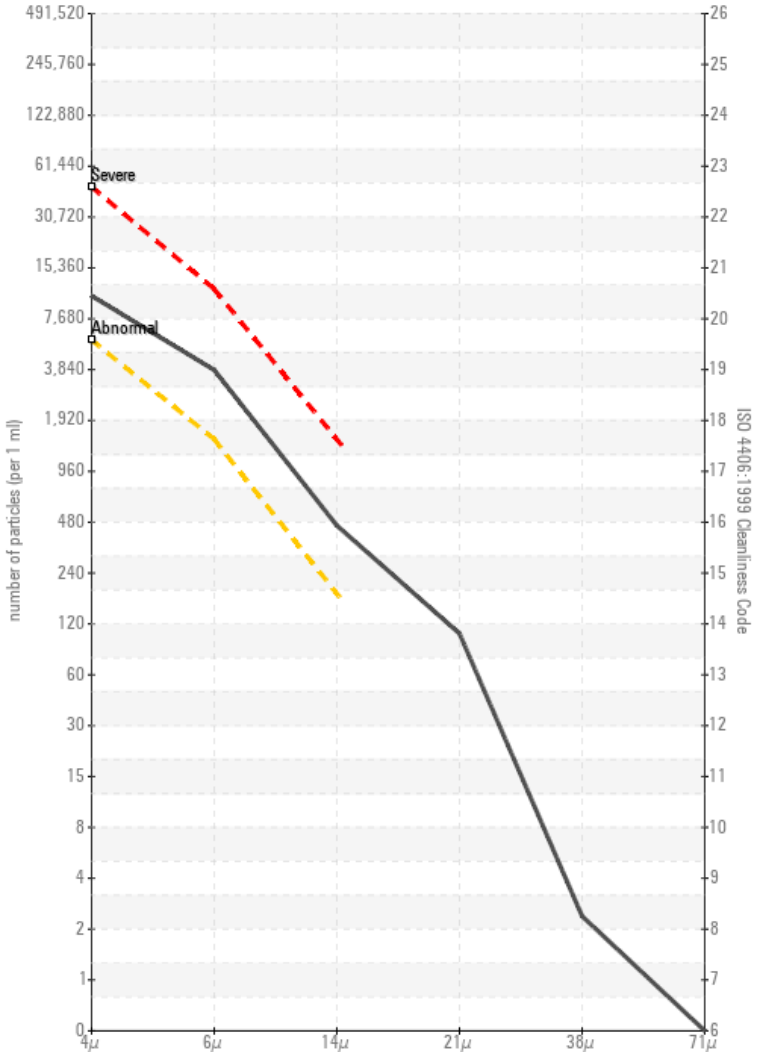
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

