



CONSTRUCTION EQUIPMENT

US SILICA VOLVO A60H 350341 - HYDRAULIC SYSTEM



Sample No: VCP420897
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: US SILICA



SAMPLE INFORMATION

Sample Number	VCP420897	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	43	---	---	---
Oil Hours	43	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 43.5	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.48	---	---	---



CONTAMINATION

Particles >4µm		▲ 12686	---	---	---
Particles >6µm		■ 922	---	---	---
Particles >14µm		■ 28	---	---	---
ISO 4406:1999 (c)		21/17/12	---	---	---
Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis

We recommend you service the filters on this component. 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	■ <1	---	---	---
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	■ 56	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 446	---	---	---
Phosphorus	ppm	■ 344	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO4589
Unique No: 10604101
Signed: Wes Davis
Report Date: 15 Aug 2023

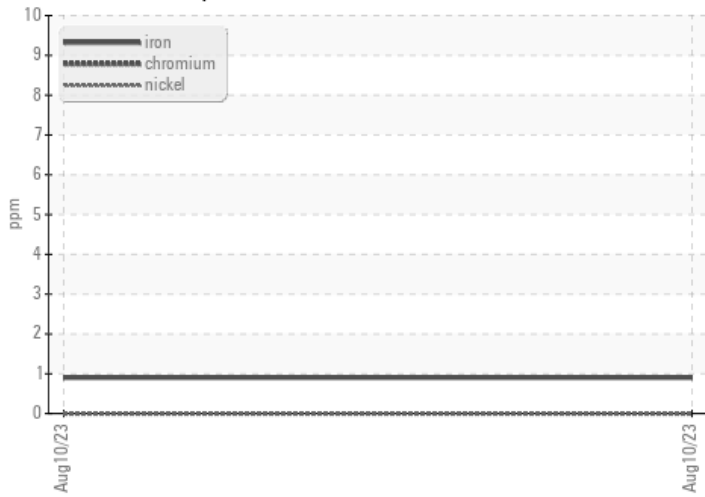


CONSTRUCTION EQUIPMENT

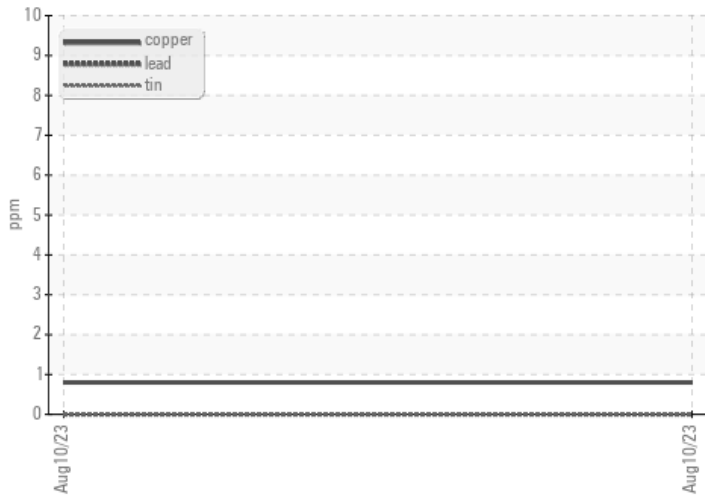


VOLVO GRAPHS

Ferrous Alloys



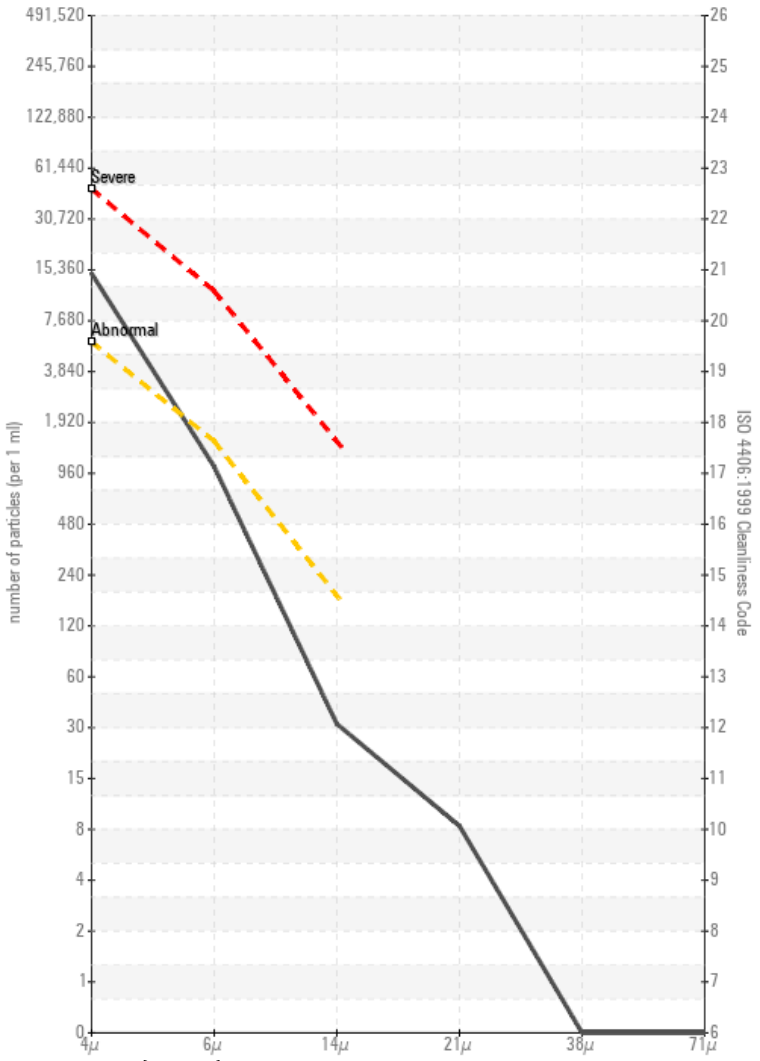
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

