



CONSTRUCTION EQUIPMENT

11052 VOLVO EC380E 310536 - HYDRAULIC SYSTEM



Sample No: VCP440579
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 11052



SAMPLE INFORMATION

Sample Number	VCP440579	---	---	---
Sample Date	06 Sep 2023	---	---	---
Machine Hours	3895	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
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OIL CONDITION

Visc @ 40°C	cSt	█ 42.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.62	---	---	---



CONTAMINATION

Particles >4µm		█ 3207	---	---	---
Particles >6µm		█ 214	---	---	---
Particles >14µm		█ 13	---	---	---
ISO 4406:1999 (c)		19/15/11	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1412	---	---	---
Magnesium	ppm	█ 27	---	---	---
Zinc	ppm	█ 785	---	---	---
Phosphorus	ppm	█ 623	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 46	---	---	---

Depot: VOLVO8879
Unique No: 10657629
Signed: Jonathan Hester
Report Date: 22 Sep 2023

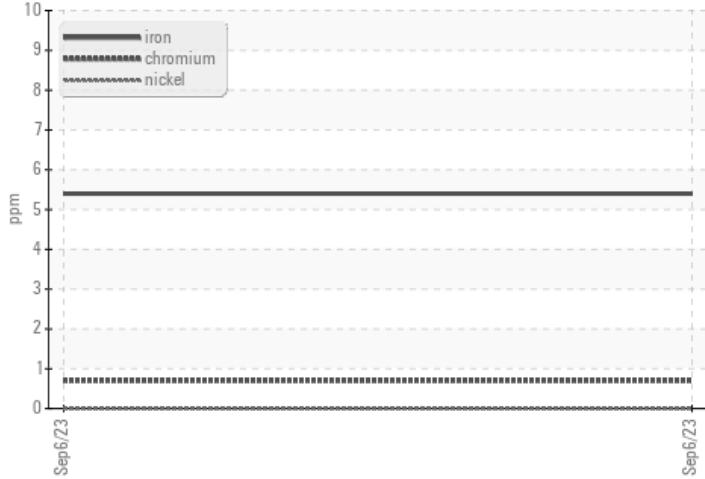


CONSTRUCTION EQUIPMENT

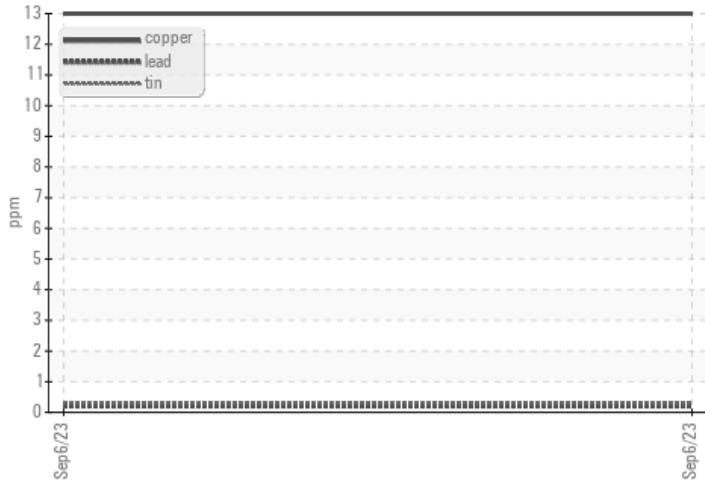


VOLVO GRAPHS

Ferrous Alloys



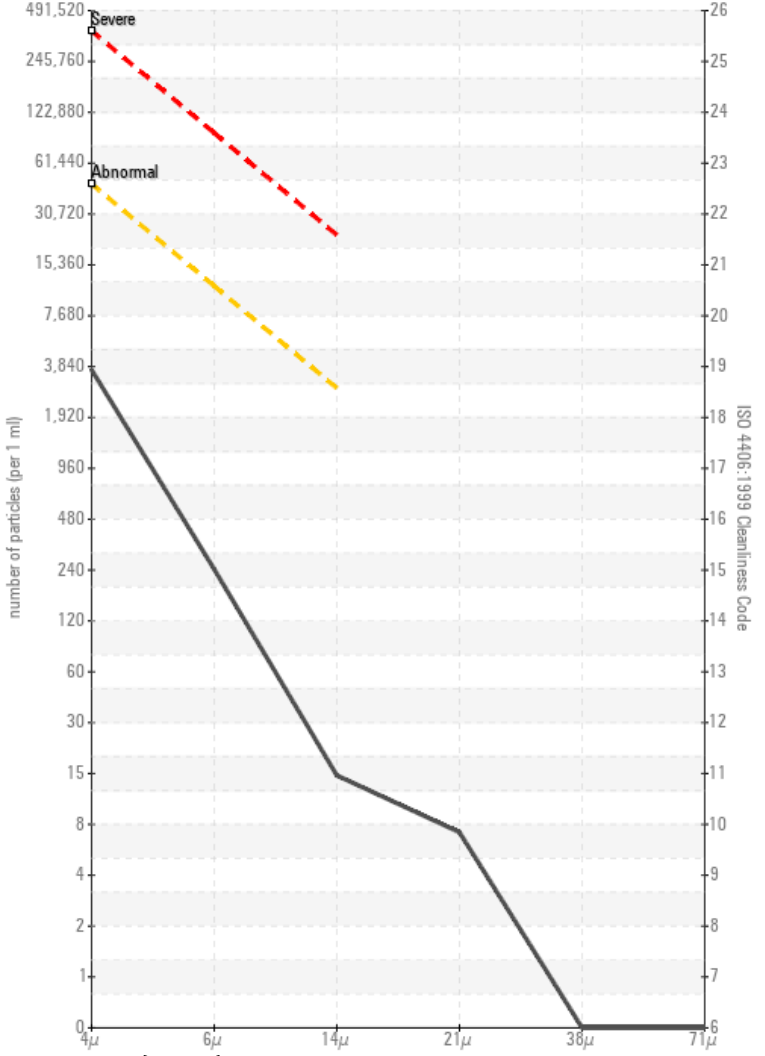
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

