



CONSTRUCTION EQUIPMENT

X47520 TADANO GR550 542078 - HYDRAULIC SYSTEM



Sample No: VCP05971386
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: X47520



SAMPLE INFORMATION

Sample Number	VCP05971386	---	---	---
Sample Date	02 Oct 2023	---	---	---
Machine Hours	1292	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 34.5	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.20	---	---	---

CONTAMINATION

Particles >4µm		▲ 13156	---	---	---
Particles >6µm		▲ 3986	---	---	---
Particles >14µm		▲ 417	---	---	---
ISO 4406:1999 (c)		21/19/16	---	---	---
Silicon	ppm	■ <1	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

WEAR METALS

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

ADDITIVES

Calcium	ppm	■ 1	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 31	---	---	---
Phosphorus	ppm	■ 625	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO6244
Unique No: 10683336
Signed: Don Baldrige
Report Date: 10 Oct 2023

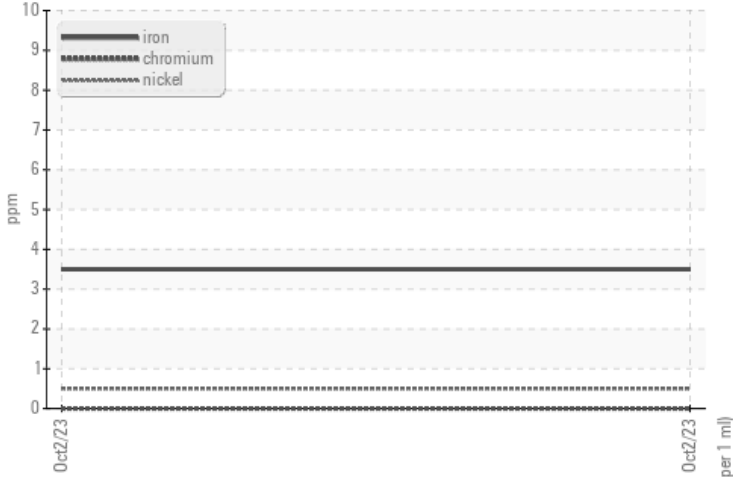


CONSTRUCTION EQUIPMENT

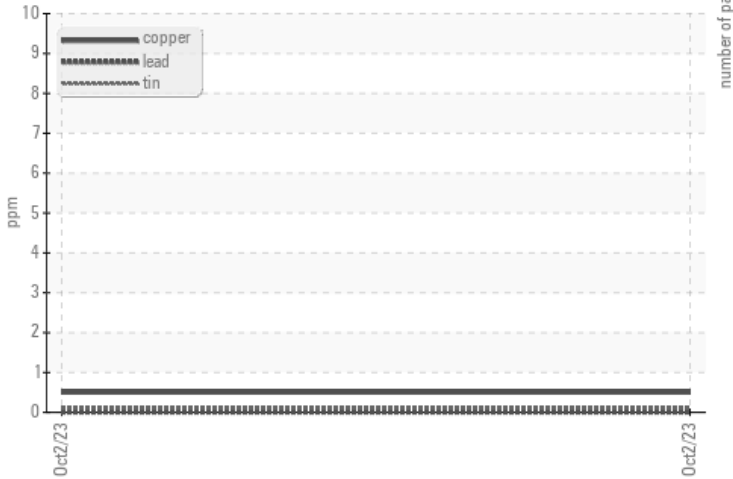


VOLVO GRAPHS

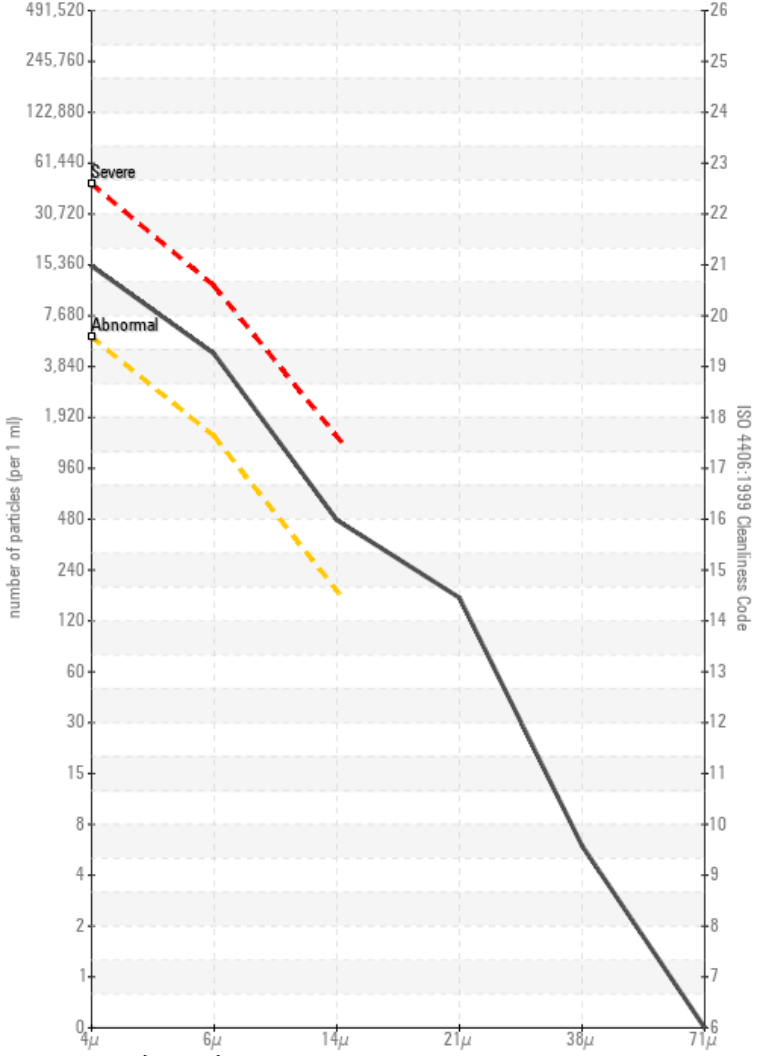
Ferrous Alloys



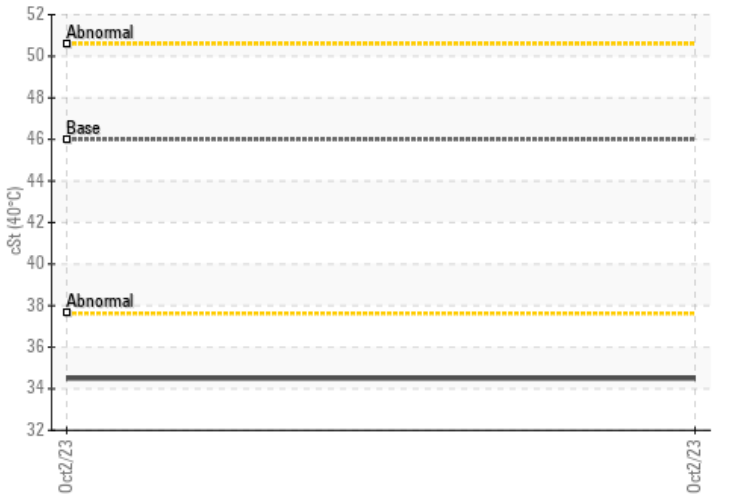
Non-ferrous Metals



Particle Count



Viscosity @ 40°C



Acid Number

