



CONSTRUCTION EQUIPMENT

VOLVO EC550EL 310021 - FRONT RIGHT HYDRAULIC SYSTEM



Sample No: VCP426671
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP426671	---	---	---
Sample Date	17 Aug 2023	---	---	---
Machine Hours	3545	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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 FORT MYERS, FL
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OIL CONDITION

Visc @ 40°C	cSt	■ 39.6	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.41	---	---	---



CONTAMINATION

Particles >4µm		▲ 96115	---	---	---
Particles >6µm		▲ 32608	---	---	---
Particles >14µm		▲ 5703	---	---	---
ISO 4406:1999 (c)		24/22/20	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 1	---	---	---

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	■ 10	---	---	---
Copper	ppm	■ 20	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 5	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 85	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 420	---	---	---
Phosphorus	ppm	■ 344	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO0090
Unique No: 10620122
Signed: Wes Davis
Report Date: 28 Aug 2023

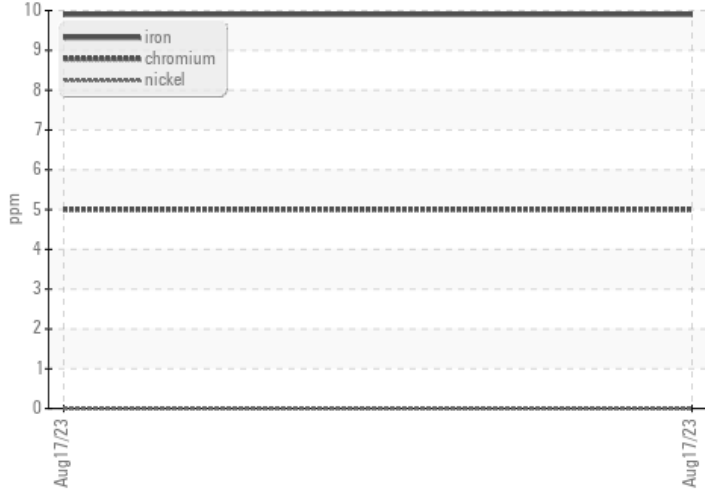


CONSTRUCTION EQUIPMENT

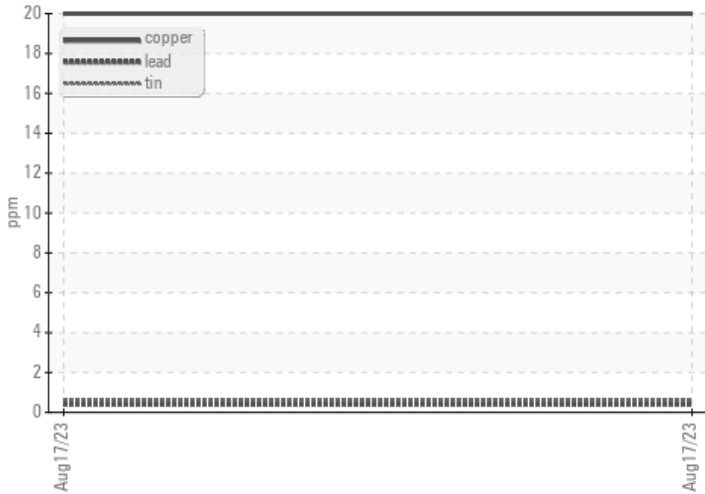


VOLVO GRAPHS

Ferrous Alloys



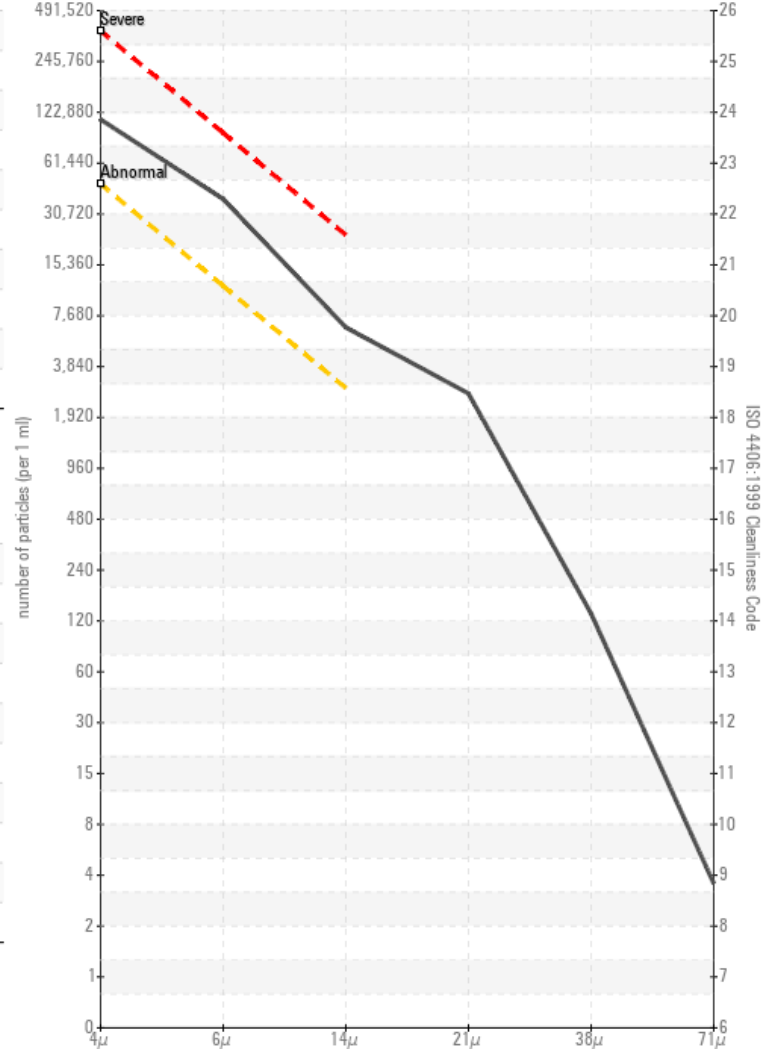
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

