



CONSTRUCTION EQUIPMENT

567843 RUBYS BOBCAT S570 ALM426416 - HYDRAULIC SYSTEM



Sample No: VCP416241
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 567843 RUBYS



SAMPLE INFORMATION

Sample Number	VCP416241	---	---	---
Sample Date	06 Jul 2023	---	---	---
Machine Hours	1356	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: PAUL CONZ
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 T: (313)348-8861
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OIL CONDITION

Visc @ 40°C	cSt	■ 42.0	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.25	---	---	---



CONTAMINATION

Particles >4µm		▲ 36797	---	---	---
Particles >6µm		▲ 2991	---	---	---
Particles >14µm		■ 63	---	---	---
ISO 4406:1999 (c)		22/19/13	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ <1	---	---	---

Diagnosis

We advise that you check for visible metal particles in the oil. The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Aluminum and iron ppm levels are abnormal. Moderate concentration of visible metal present. Cylinder wear is indicated. 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 condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	▲ 40	---	---	---
Copper	ppm	■ 45	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 12	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 130	---	---	---
Magnesium	ppm	■ 7	---	---	---
Zinc	ppm	■ 923	---	---	---
Phosphorus	ppm	■ 669	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: VOLVO2990
Unique No: 10551891
Signed: Angela Borella
Report Date: 13 Jul 2023

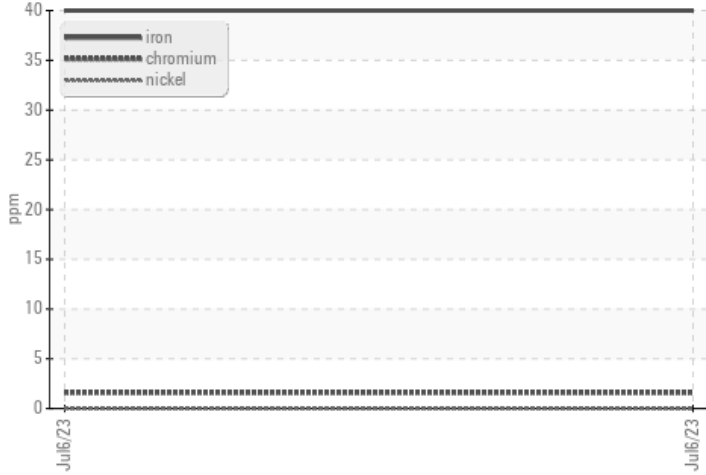


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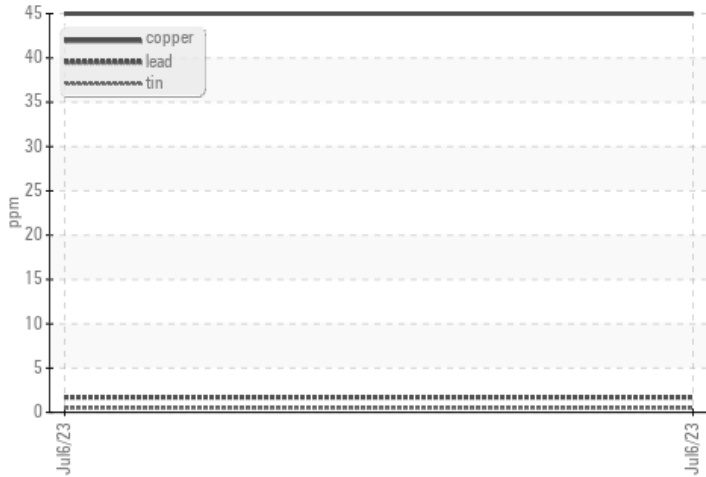


VOLVO GRAPHS

▲ Ferrous Alloys



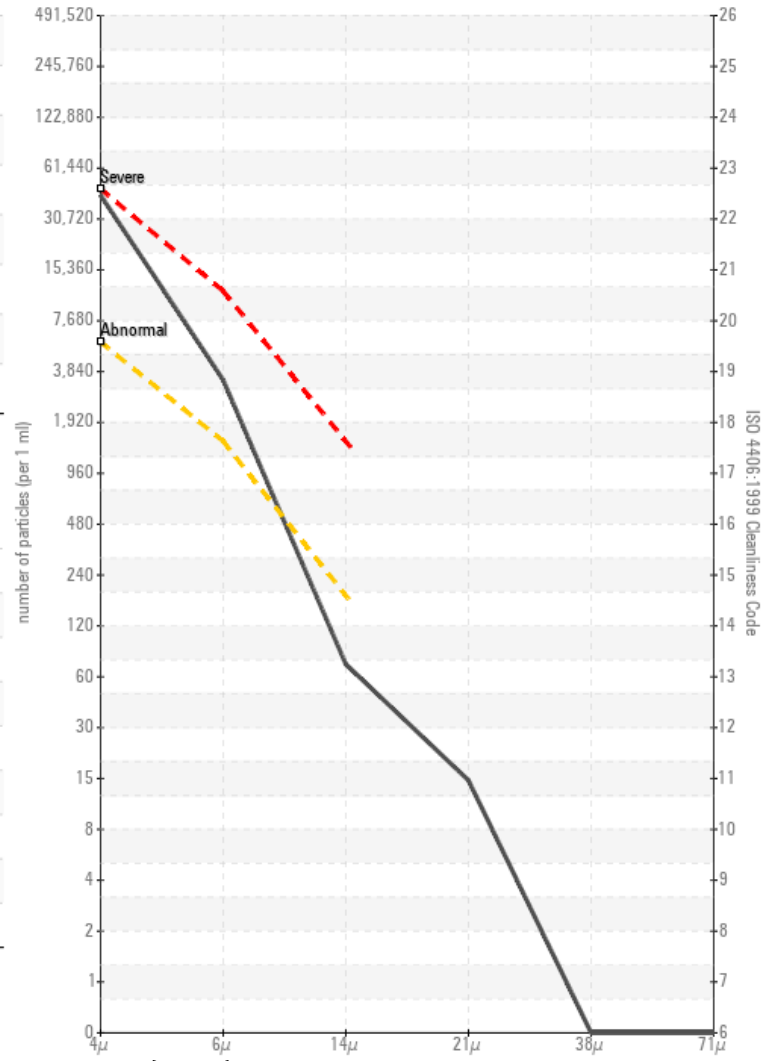
Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count



Acid Number

