



CONSTRUCTION EQUIPMENT

567841 RUBYS BOBCAT S185 A3L940919 - HYDRAULIC SYSTEM



Sample No: VCP416243
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 567841 RUBYS



SAMPLE INFORMATION

Sample Number	VCP416243	---	---	---
Sample Date	06 Jul 2023	---	---	---
Machine Hours	3455	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

ALTA EQUIPMENT COMPANY - METRO WEST
 56195 PONTIAC TRAIL
 NEW HUDSON, MI
 US 48165
 Contact: PAUL CONZ
 paul.conz@altg.com
 T: (313)348-8861
 F: (248)356-2029

OIL CONDITION

Visc @ 40°C	cSt	█ 40.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.78	---	---	---

CONTAMINATION

Particles >4µm		▲ 23210	---	---	---
Particles >6µm		▲ 1855	---	---	---
Particles >14µm		█ 126	---	---	---
ISO 4406:1999 (c)		22/18/14	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. Moderate concentration of visible metal present. All other component wear rates are normal. There is a high 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	▲ 22	---	---	---
Copper	ppm	█ 30	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 10	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	112	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 786	---	---	---
Phosphorus	ppm	█ 594	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO2990
Unique No: 10551892
Signed: Angela Borella
Report Date: 13 Jul 2023

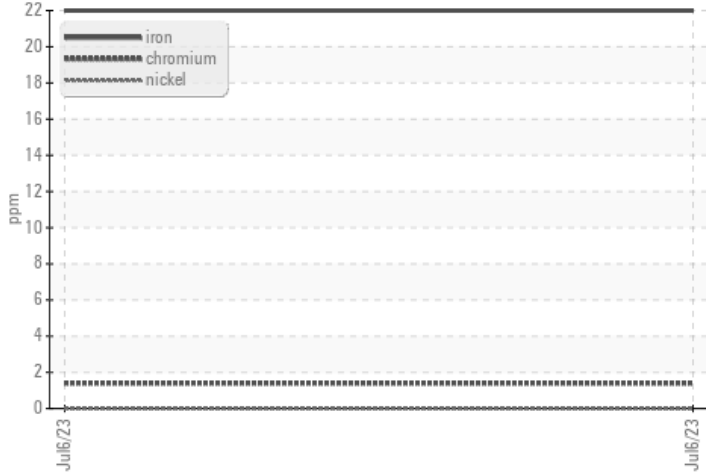


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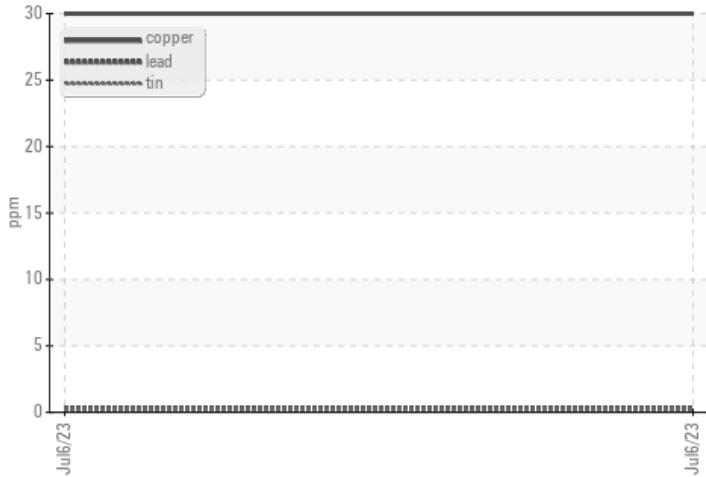


VOLVO GRAPHS

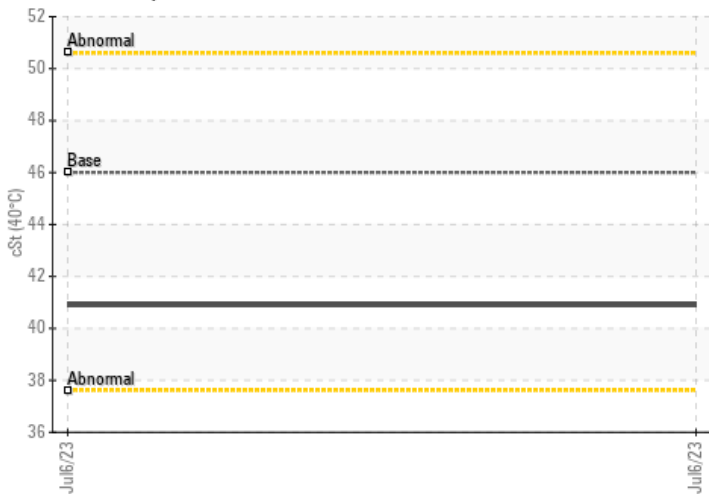
▲ Ferrous Alloys



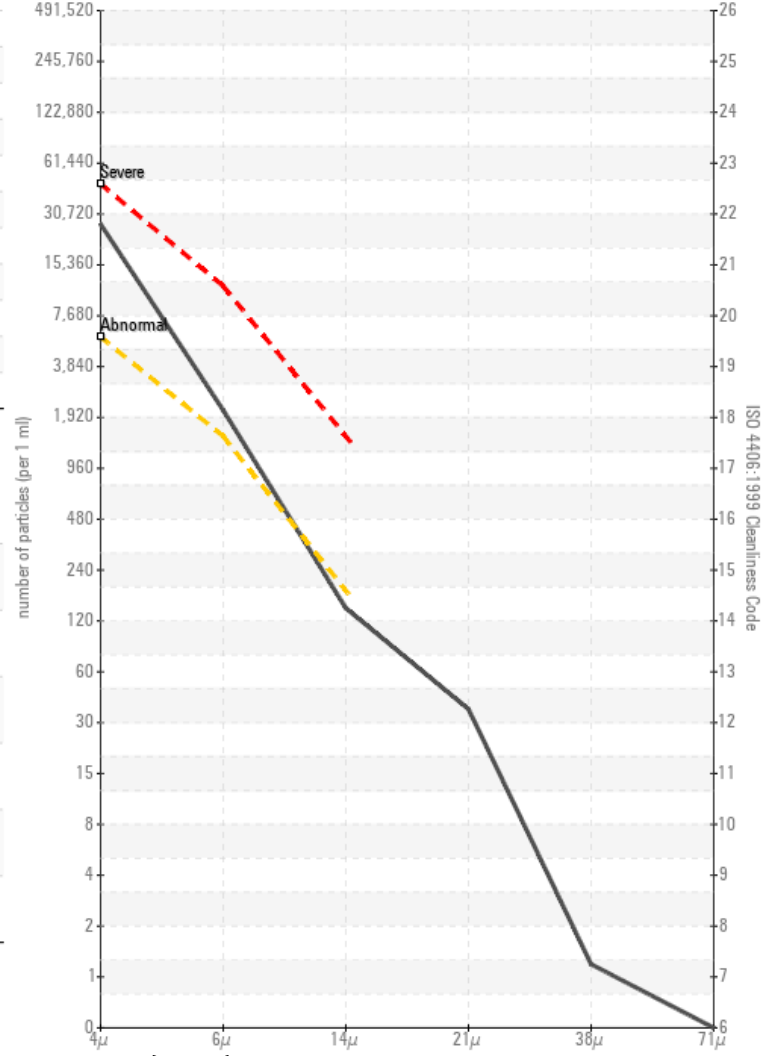
Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count



Acid Number

