



CONSTRUCTION EQUIPMENT

WO7012739 VOLVO A40G 341644 - HYDRAULIC SYSTEM



Sample No: VCP420339
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: WO7012739



SAMPLE INFORMATION

Sample Number	VCP420339	---	---	---
Sample Date	12 Jun 2023	---	---	---
Machine Hours	6003	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

McClung-Logan Virginia LLC- RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611



OIL CONDITION

Visc @ 40°C	cSt	■ 38.9	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.48	---	---	---



CONTAMINATION

Particles >4µm		■ 51788	---	---	---
Particles >6µm		▲ 6368	---	---	---
Particles >14µm		■ 92	---	---	---
ISO 4406:1999 (c)		23/20/14	---	---	---
Silicon	ppm	■ 10	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light 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 suitable for further service.



WEAR METALS

Iron	ppm	■ 15	---	---	---
Copper	ppm	■ 13	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	■ 305	---	---	---
Magnesium	ppm	■ 6	---	---	---
Zinc	ppm	■ 518	---	---	---
Phosphorus	ppm	■ 384	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 1	---	---	---

Depot: VOLVO8882
Unique No: 10520607
Signed: Wes Davis
Report Date: 19 Jun 2023

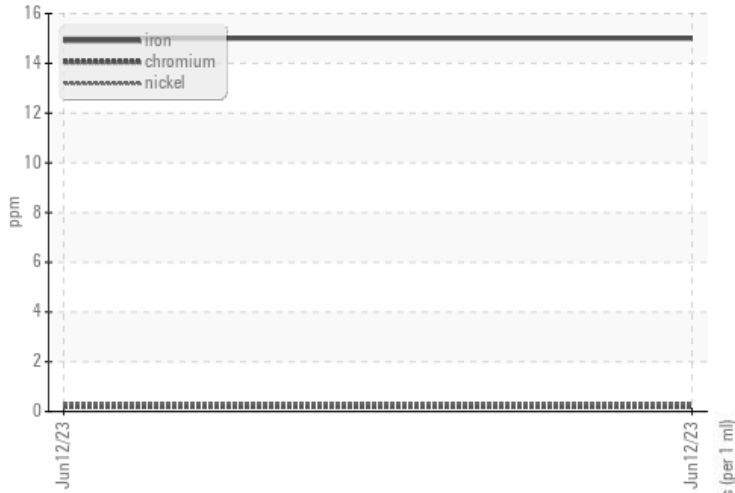


CONSTRUCTION EQUIPMENT

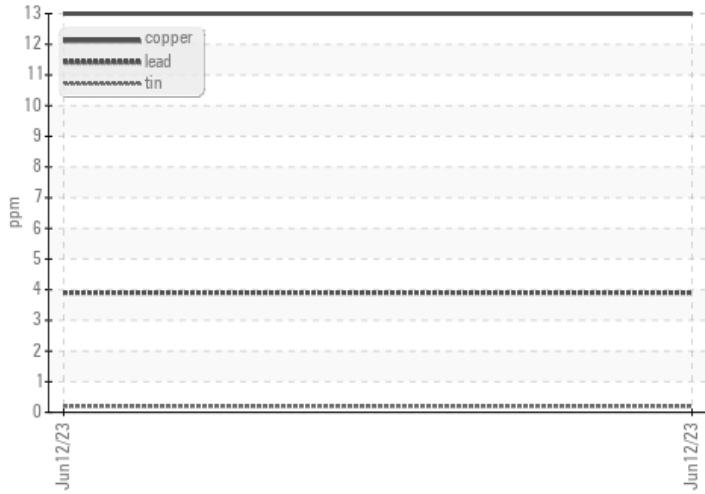


VOLVO GRAPHS

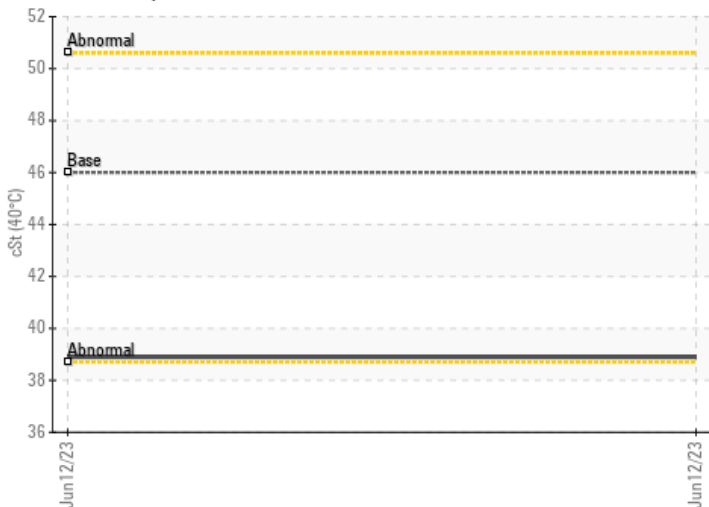
Ferrous Alloys



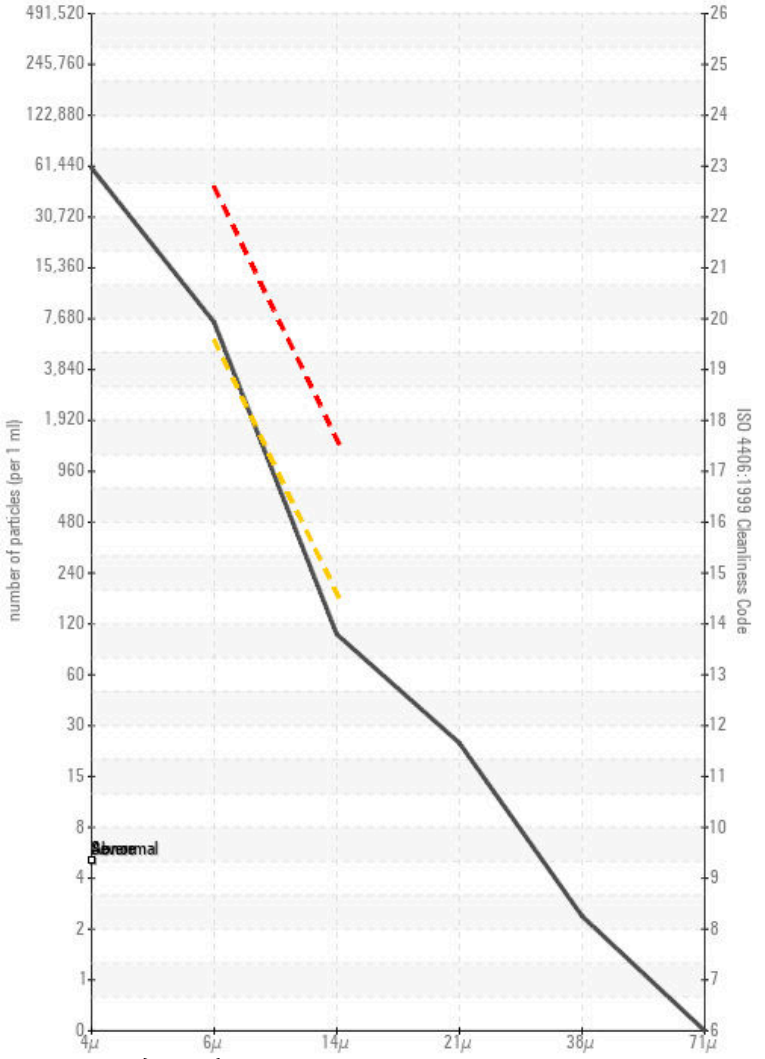
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

