



CONSTRUCTION EQUIPMENT

VOLVO A40G 752009 - HYDRAULIC SYSTEM



Sample No: VCP312950

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP312950	---	---	---
Sample Date	12 Sep 2023	---	---	---
Machine Hours	482	---	---	---
Oil Hours	482	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---



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OIL CONDITION

Visc @ 40°C	cSt	█ 44.9	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---



CONTAMINATION

Particles >4µm		█ 12064	---	---	---
Particles >6µm		█ 3239	---	---	---
Particles >14µm		▲ 212	---	---	---
ISO 4406:1999 (c)		█ 21/19/15	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
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. All component wear rates are normal. There is a moderate amount of particulates 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	█ 1	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 75	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 414	---	---	---
Phosphorus	ppm	█ 333	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: SCHGRE
Unique No: 10671859
Signed: Don Baldrige
Report Date: 02 Oct 2023

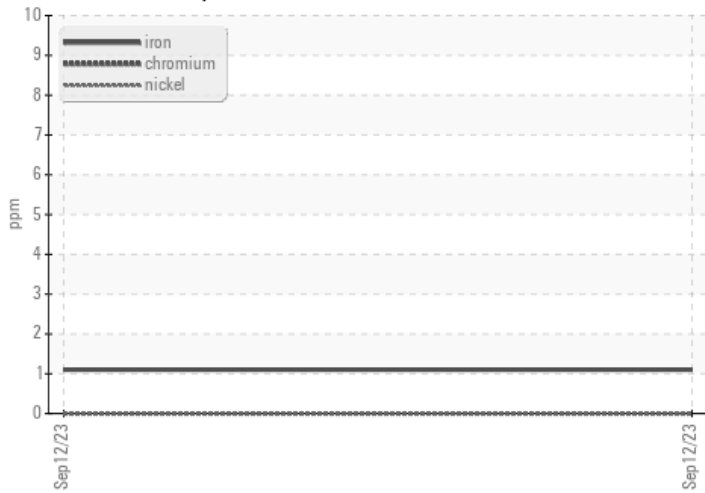


CONSTRUCTION EQUIPMENT

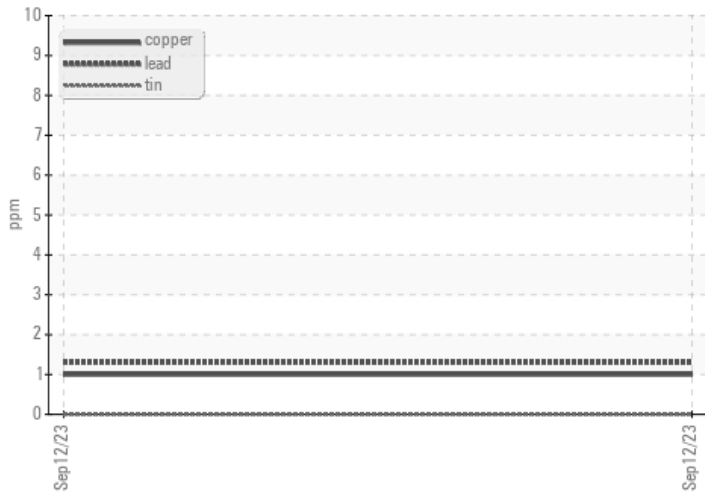


GRAPHS

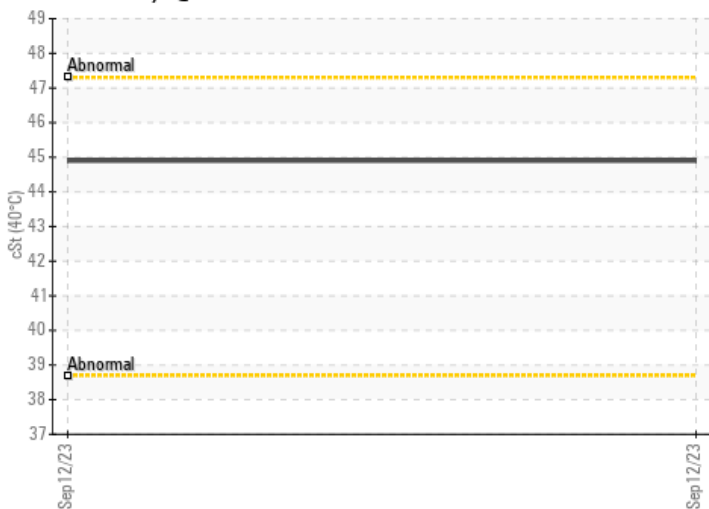
Ferrous Alloys



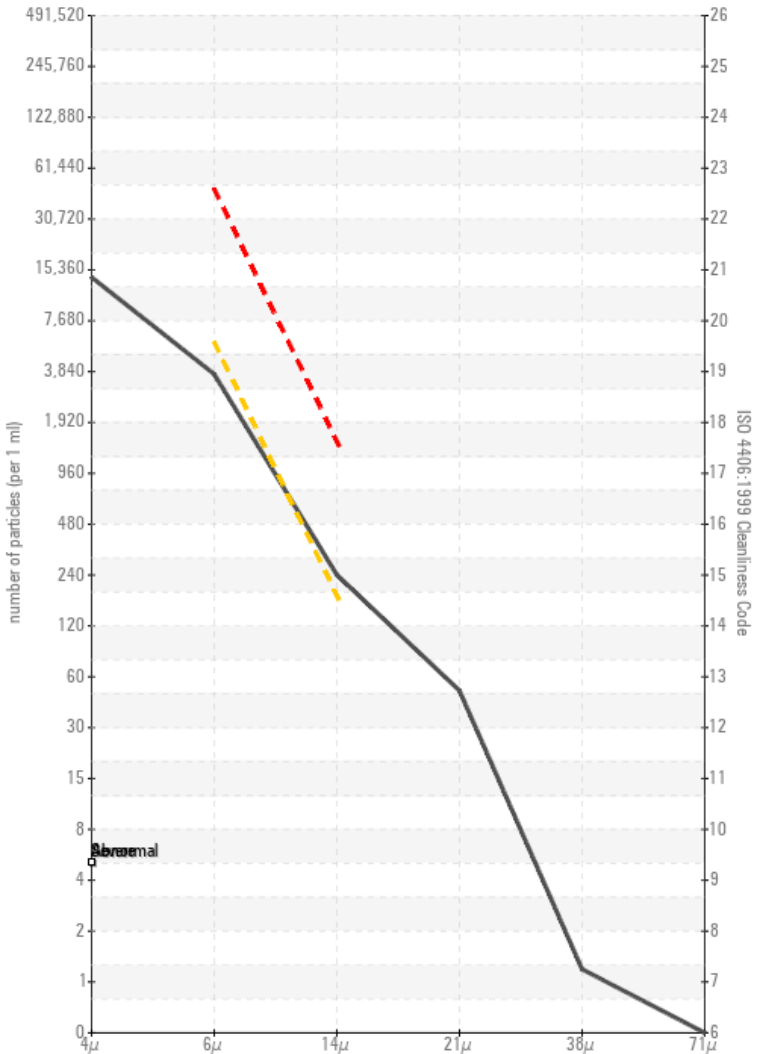
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

