



CONSTRUCTION EQUIPMENT

W14861 VOLVO A40G 353434 - HYDRAULIC SYSTEM



Sample No: VCP441476
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: W14861



SAMPLE INFORMATION

Sample Number	VCP441476	---	---	---
Sample Date	27 Oct 2023	---	---	---
Machine Hours	991	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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 T:
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OIL CONDITION

Visc @ 40°C	cSt	█ 43.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.39	---	---	---



CONTAMINATION

Particles >4µm		█ 10465	---	---	---
Particles >6µm		█ 3615	---	---	---
Particles >14µm		▲ 322	---	---	---
ISO 4406:1999 (c)		█ 21/19/16	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high 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	█ 3	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 50	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 415	---	---	---
Phosphorus	ppm	█ 343	---	---	---
Barium	ppm	19	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0080
Unique No: 10722629
Signed: Don Baldrige
Report Date: 01 Nov 2023

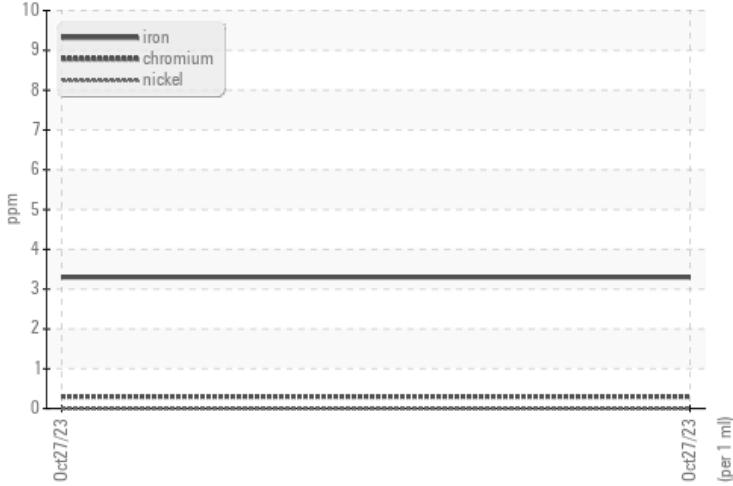


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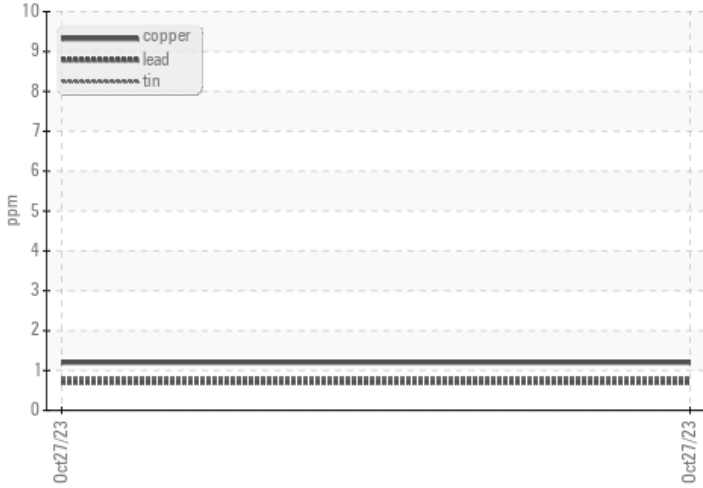


GRAPHS

Ferrous Alloys



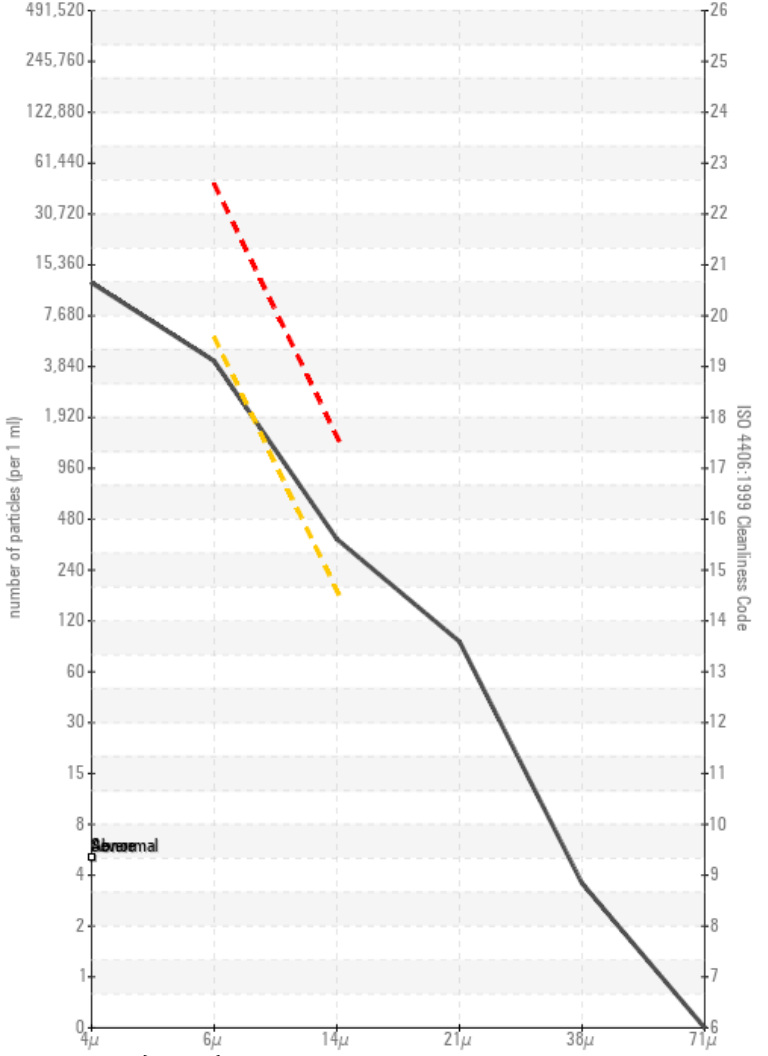
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

