



CONSTRUCTION EQUIPMENT

529307 WM VOLVO L70G 614364 - HYDRAULIC SYSTEM



Sample No: VCP446420
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 529307 WM



SAMPLE INFORMATION

Sample Number	VCP446420	VCP439240	---	---
Sample Date	05 Apr 2024	23 Feb 2024	---	---
Machine Hours	17604	17333	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 44.7	█ 44.8	---	---
Acid Number (AN)	mg KOH/g	█ 0.34	█ 1.05	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 8725	█ 3523	---	---
Particles >6µm		█ 2476	█ 669	---	---
Particles >14µm		▲ 202	█ 49	---	---
ISO 4406:1999 (c)		20/18/15	19/17/13	---	---
Silicon	ppm	█ <1	█ 1	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ 0	█ 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	█ 5	---	---
Copper	ppm	█ 0	█ 2	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 0	█ <1	---	---
Chromium	ppm	█ 0	█ 0	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	█ 64	█ 69	---	---
Magnesium	ppm	█ 3	█ 6	---	---
Zinc	ppm	█ 421	█ 436	---	---
Phosphorus	ppm	█ 324	█ 331	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

Depot: VOLVO0096
Unique No: 10968963
Signed: Don Baldrige
Report Date: 12 Apr 2024

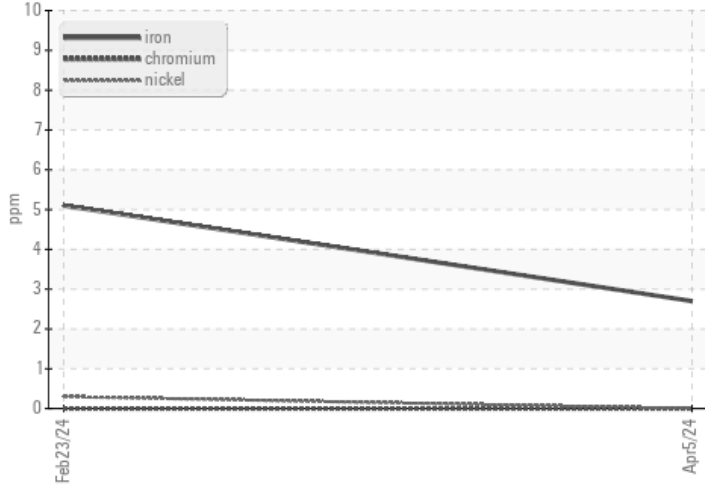


CONSTRUCTION EQUIPMENT

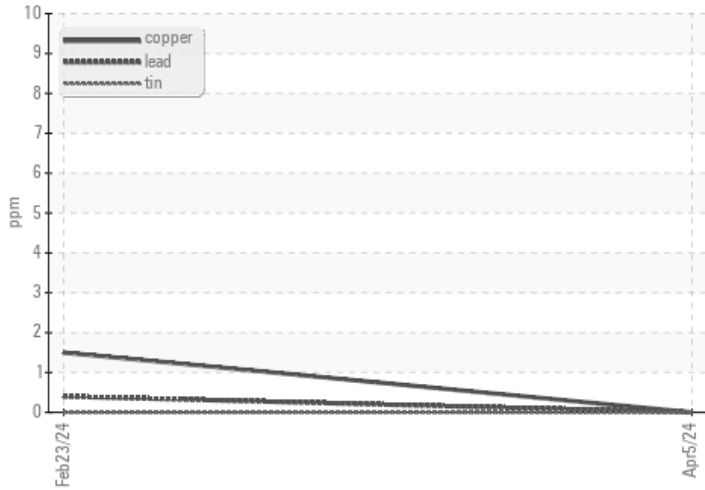


GRAPHS

Ferrous Alloys



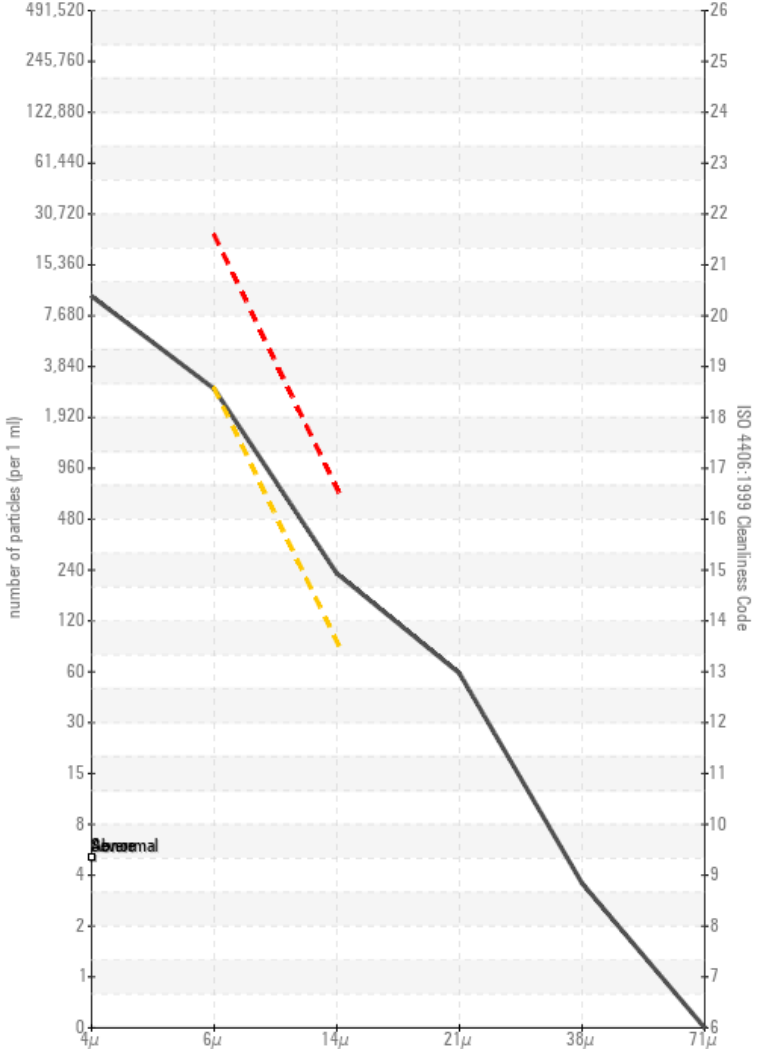
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

