



CONSTRUCTION EQUIPMENT

518887 RENTALS VOLVO A30G 752643 - HYDRAULIC SYSTEM



Sample No: VCP438385
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 518887 RENTALS



SAMPLE INFORMATION

Sample Number	VCP438385	VCP397418	---	---
Sample Date	27 Mar 2024	13 Jan 2023	---	---
Machine Hours	1981	1616	---	---
Oil Hours	0	1616	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	43.1	43.6	---	---
Acid Number (AN)	mg KOH/g	0.41	0.39	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		5970	7448	---	---
Particles >6µm		2012	2047	---	---
Particles >14µm		230	128	---	---
ISO 4406:1999 (c)		20/18/15	20/18/14	---	---
Silicon	ppm	1	3	---	---
Sodium	ppm	1	1	---	---
Potassium	ppm	<1	0	---	---

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	2	5	---	---
Copper	ppm	0	3	---	---
Lead	ppm	0	1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	108	72	---	---
Magnesium	ppm	2	0	---	---
Zinc	ppm	417	401	---	---
Phosphorus	ppm	311	321	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0093
Unique No: 10994437
Signed: Wes Davis
Report Date: 25 Apr 2024

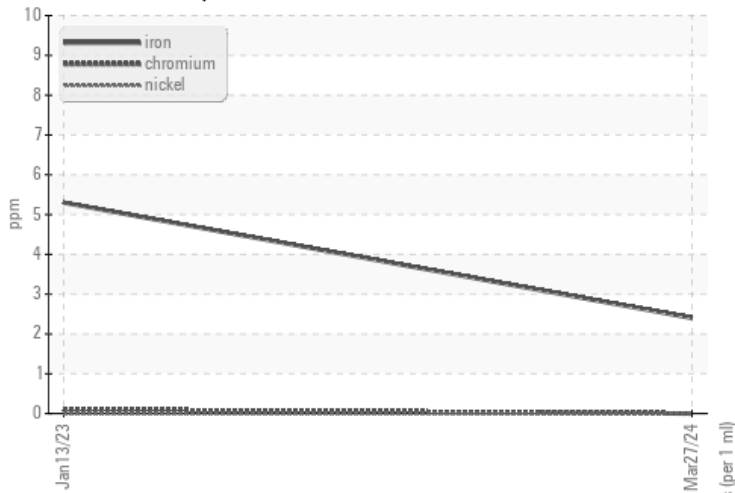


CONSTRUCTION EQUIPMENT

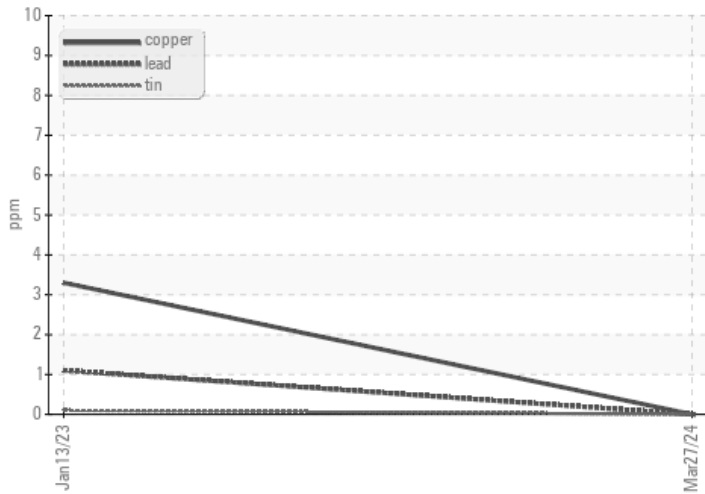


GRAPHS

Ferrous Alloys



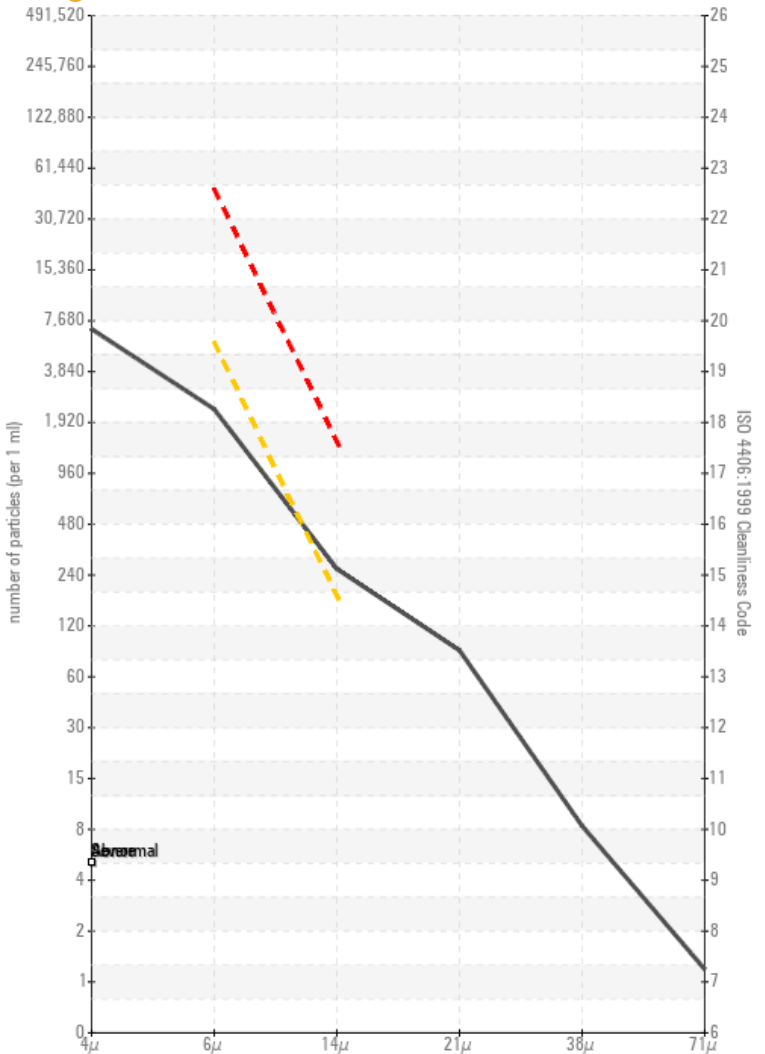
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

