



CONSTRUCTION EQUIPMENT

VOLVO A45G 342348 - HYDRAULIC SYSTEM



Sample No: VCP420746
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP420746	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	4898	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---

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 OKLAHOMA CITY, OK
 US 73127
 Contact: ZACHARY BOWDISH
 zbowdish@vankeppel.com
 T: (405)495-0606
 F: (405)495-7603



OIL CONDITION

Visc @ 40°C	cSt	█ 42.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.40	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 1319	---	---	---
Particles >6µm		█ 191	---	---	---
Particles >14µm		█ 7	---	---	---
ISO 4406:1999 (c)		18/15/10	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.
 All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 4	---	---	---
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	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 51	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 396	---	---	---
Phosphorus	ppm	█ 298	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0052
Unique No: 10769612
Signed: Wes Davis
Report Date: 06 Dec 2023

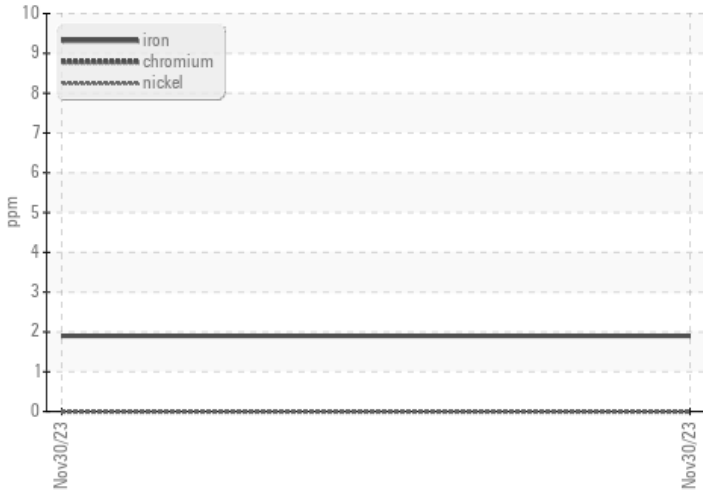


CONSTRUCTION EQUIPMENT

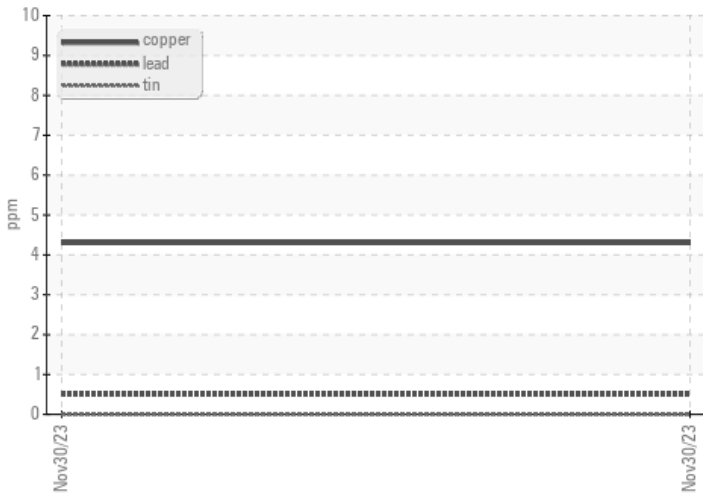


VOLVO GRAPHS

Ferrous Alloys



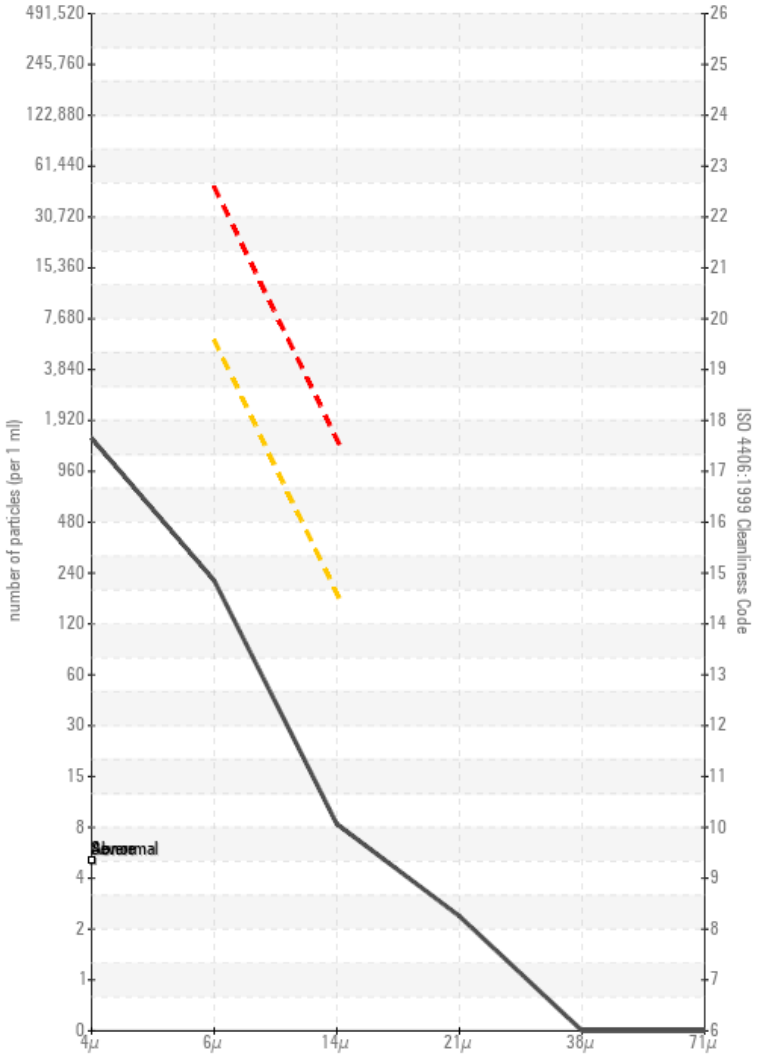
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

