



CONSTRUCTION EQUIPMENT

VOLVO A30G 151104 - HYDRAULIC SYSTEM



Sample No: VCP432336
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP432336	---	---	---
Sample Date	13 Feb 2024	---	---	---
Machine Hours	2742	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

RIPA AND ASSOCIATES

10149 FISHER AVENUE
TAMPA, FL
US 33619
Contact: ROBERT TURNER
rtturner@ripatampa.com
T:
F:

OIL CONDITION

Visc @ 40°C	cSt	● 46.8	---	---	---
Acid Number (AN)	mg KOH/g	▲ 0.41	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		■ 8348	---	---	---
Particles >6µm		▲ 3630	---	---	---
Particles >14µm		▲ 780	---	---	---
ISO 4406:1999 (c)		20/19/17	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 62	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	■ 445	---	---	---
Phosphorus	ppm	■ 342	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ <1	---	---	---

Depot: RIPTAM
Unique No: 10900658
Signed: Don Baldrige
Report Date: 29 Feb 2024

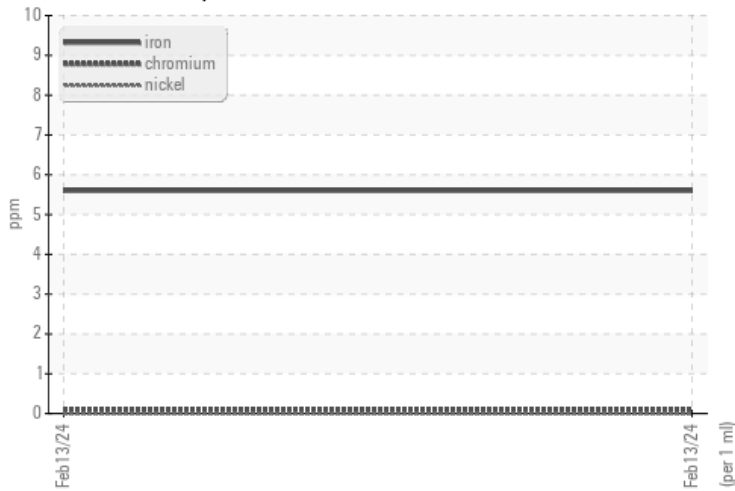


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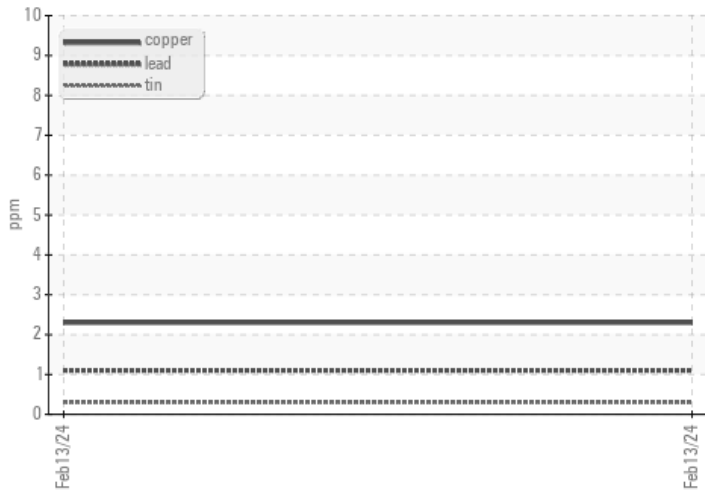


GRAPHS

Ferrous Alloys



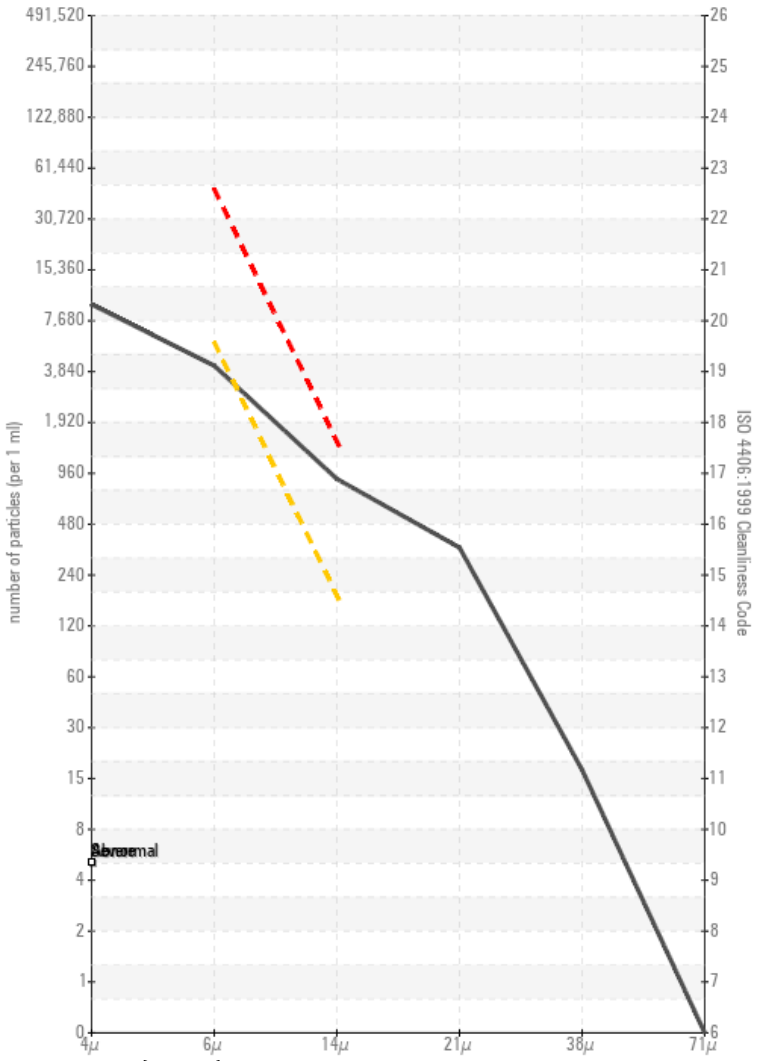
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

