



CONSTRUCTION EQUIPMENT

0086 VOLVO A25G 740098 - HYDRAULIC SYSTEM



Sample No: VCP439285
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 0086



SAMPLE INFORMATION

Sample Number	VCP439285	---	---	---
Sample Date	24 Jan 2024	---	---	---
Machine Hours	12847	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

JON M HALL COMPANY
 1920 BOOTHE CIRCLE SUITE 110
 LONGWOOD, FL
 US 32750
 Contact: SERVICE MANAGER

OIL CONDITION

Visc @ 40°C	cSt	▲ 63.55	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.60	---	---	---

T: (407)215-0410
 F:

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 101156	---	---	---
Particles >6µm		▲ 16865	---	---	---
Particles >14µm		▲ 400	---	---	---
ISO 4406:1999 (c)		24/21/16	---	---	---
Silicon	ppm	● 55	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 7	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

WEAR METALS

Iron	ppm	■ 0	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 14	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 664	---	---	---
Magnesium	ppm	■ 44	---	---	---
Zinc	ppm	■ 472	---	---	---
Phosphorus	ppm	■ 424	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 21	---	---	---

Depot: JONLON
Unique No: 10858901
Signed: Jonathan Hester
Report Date: 07 Feb 2024



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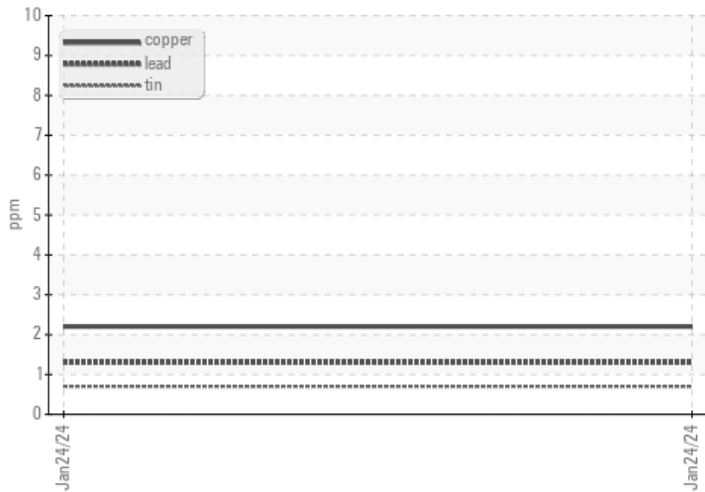


GRAPHS

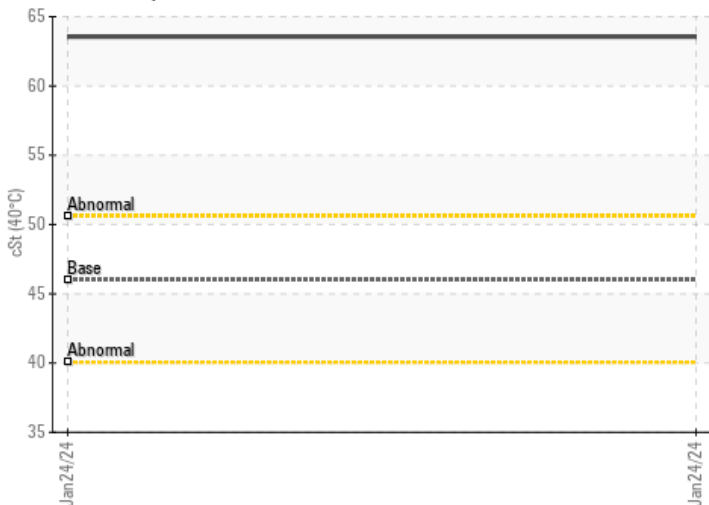
Ferrous Alloys



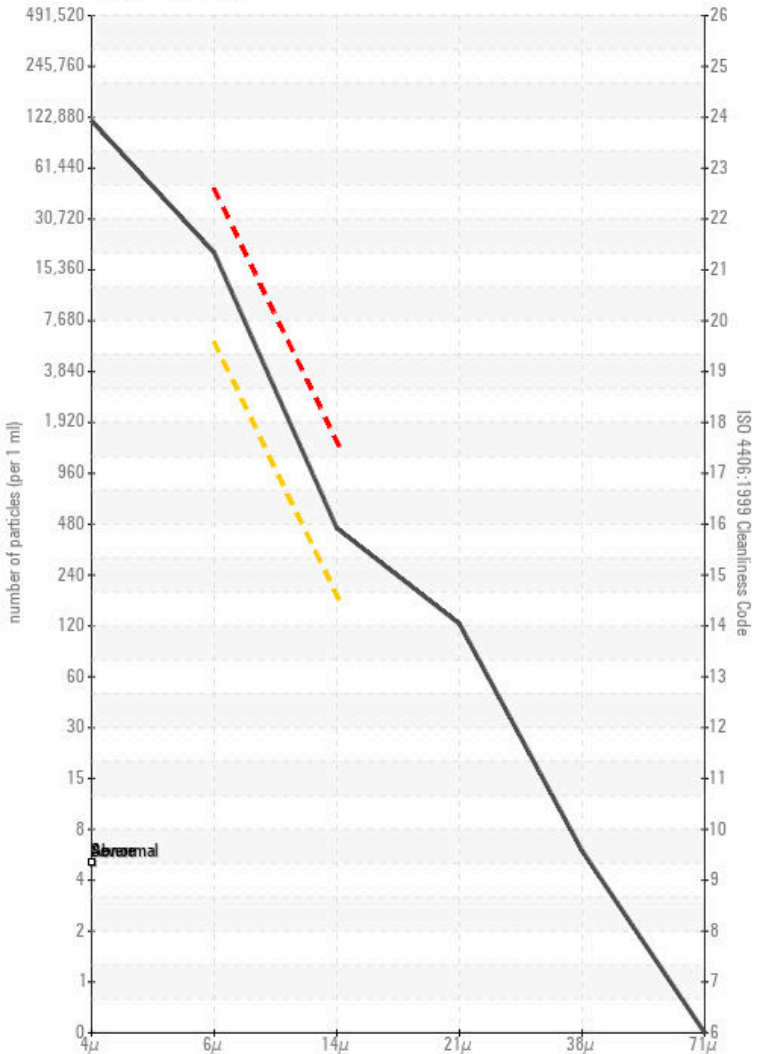
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

