



CONSTRUCTION EQUIPMENT

9477 EARTHMOVERS VOLVO EC300 311663 - HYDRAULIC SYSTEM



Sample No: VCP439241
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 9477 EARTHMOVERS



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SAMPLE INFORMATION

Sample Number	VCP439241	---	---	---
Sample Date	16 Jan 2024	---	---	---
Machine Hours	2452	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 42.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.31	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 49234	---	---	---
Particles >6µm		█ 7483	---	---	---
Particles >14µm		█ 175	---	---	---
ISO 4406:1999 (c)		23/20/15	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 0	---	---	---

WEAR METALS

Iron	ppm	█ 0	---	---	---
Copper	ppm	█ 40	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 43	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 282	---	---	---
Phosphorus	ppm	█ 344	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 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.

Depot: VOLVO0093
Unique No: 10836911
Signed: Wes Davis
Report Date: 23 Jan 2024

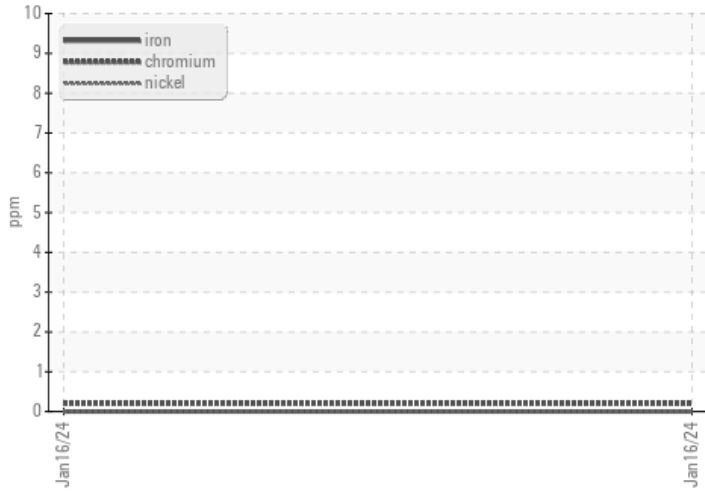


CONSTRUCTION EQUIPMENT

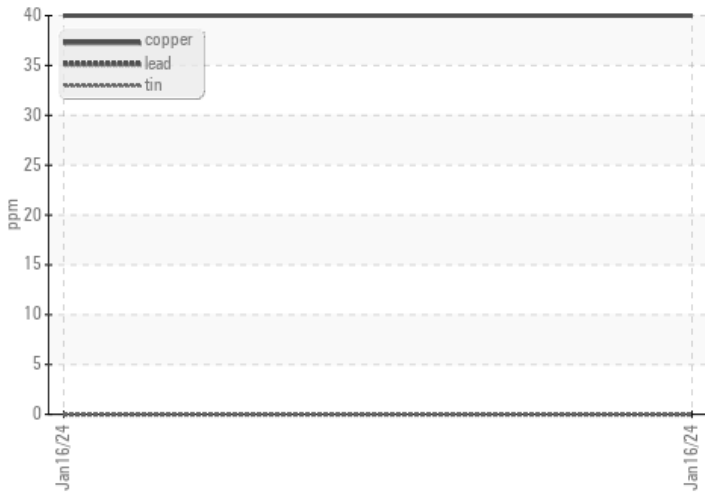


GRAPHS

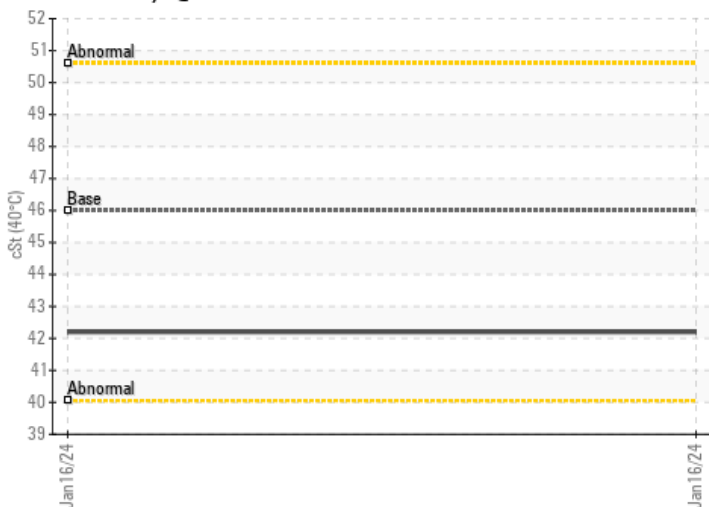
Ferrous Alloys



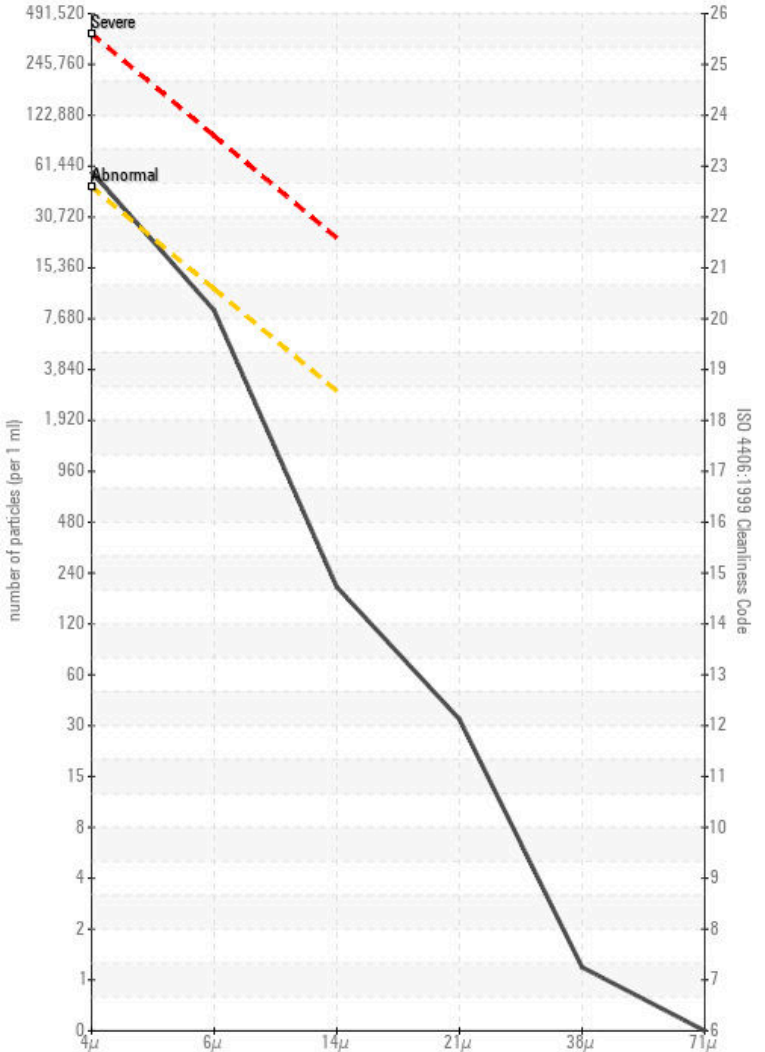
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

