



CONSTRUCTION EQUIPMENT

SW1029638 VOLVO EC220EL 314016 - HYDRAULIC SYSTEM



Sample No: VCP440153
Oil Type: {unknown}
Job No: SW1029638



SAMPLE INFORMATION

Sample Number	VCP440153	---	---	---
Sample Date	05 Feb 2024	---	---	---
Machine Hours	3247	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 41.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.54	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 10956	---	---	---
Particles >6µm		█ 342	---	---	---
Particles >14µm		█ 13	---	---	---
ISO 4406:1999 (c)		21/16/11	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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	█ 11	---	---	---
Copper	ppm	█ 34	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	97	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	476	---	---	---
Phosphorus	ppm	395	---	---	---
Barium	ppm	13	---	---	---
Boron	ppm	0	---	---	---

Depot: VOLVO8770
Unique No: 10873456
Signed: Wes Davis
Report Date: 13 Feb 2024

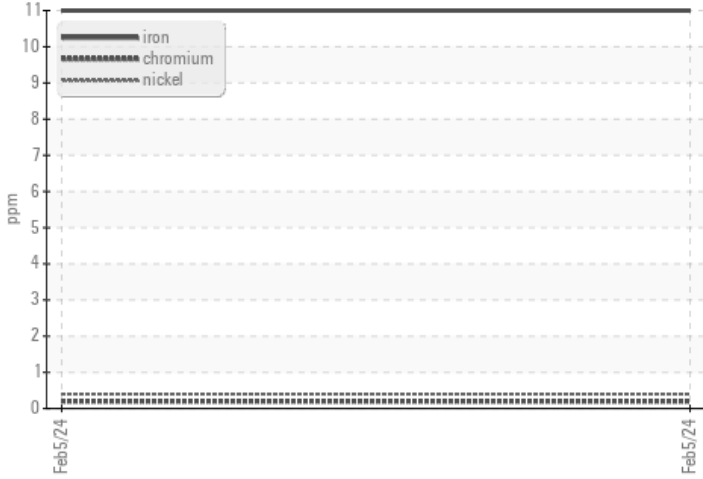


CONSTRUCTION EQUIPMENT

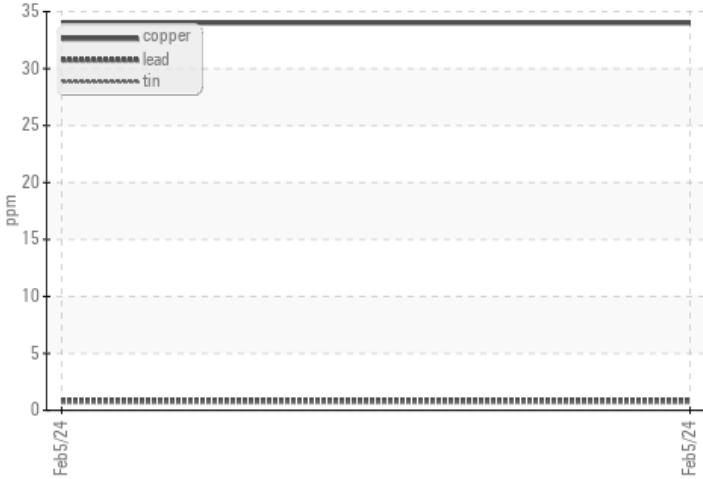


GRAPHS

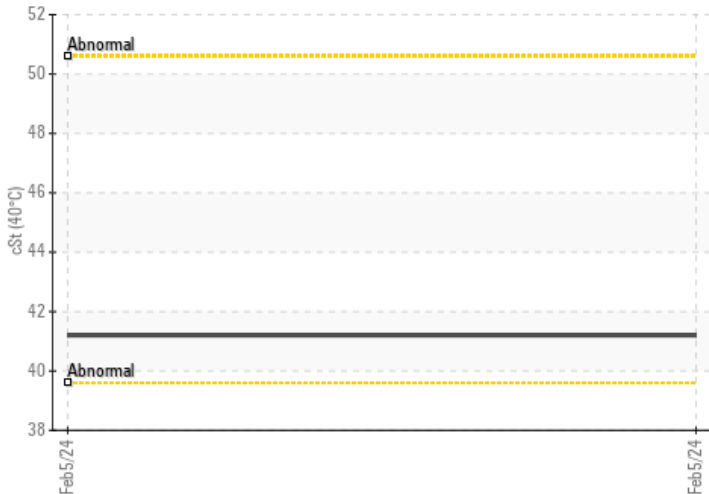
Ferrous Alloys



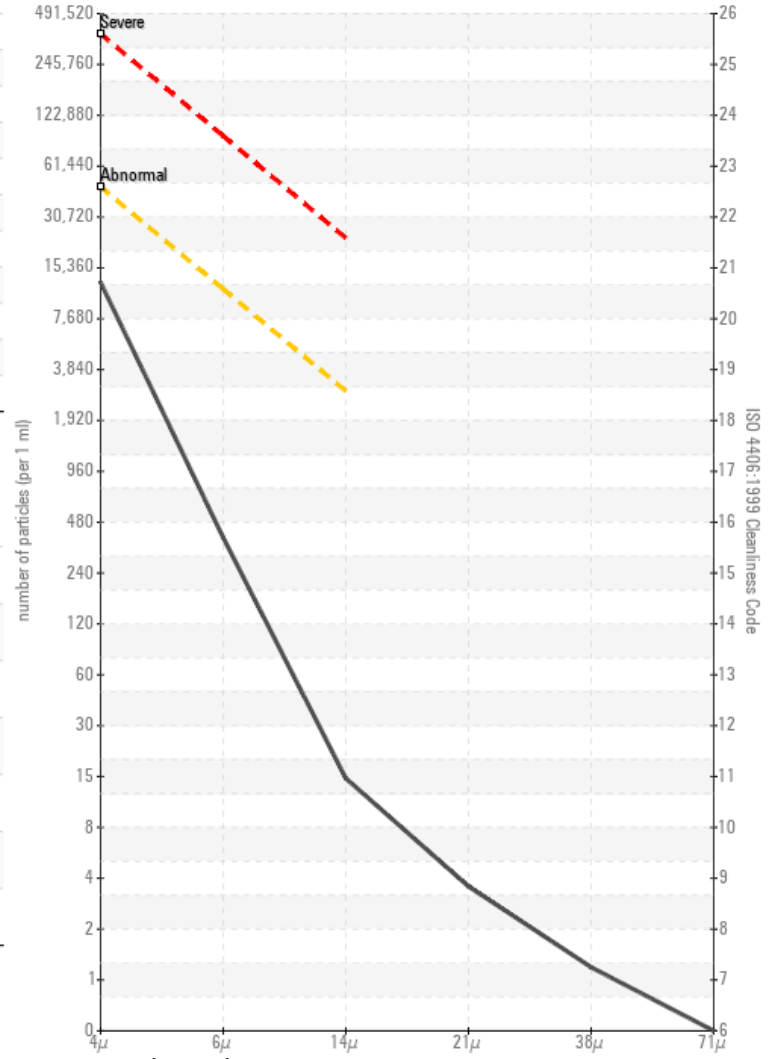
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

