



CONSTRUCTION EQUIPMENT

X28100 OMNI SOURCE VOLVO EC350EL 310318 - HYDRAULIC SYSTEM



Sample No: VCP366524
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: X28100 OMNI SOURCE



SAMPLE INFORMATION

Sample Number	VCP366524	---	---	---
Sample Date	13 May 2024	---	---	---
Machine Hours	3293	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 44.1	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.33	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 149206	---	---	---
Particles >6µm		▲ 69639	---	---	---
Particles >14µm		█ 60	---	---	---
ISO 4406:1999 (c)		24/23/13	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. No visible metal detected. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	▲ 26	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	█ 49	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 420	---	---	---
Phosphorus	ppm	█ 337	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLV00123
Unique No: 11031420
Signed: Don Baldrige
Report Date: 17 May 2024

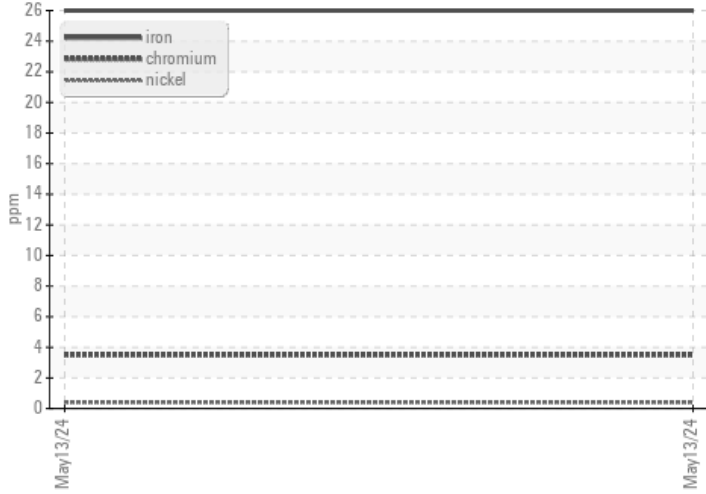


CONSTRUCTION EQUIPMENT

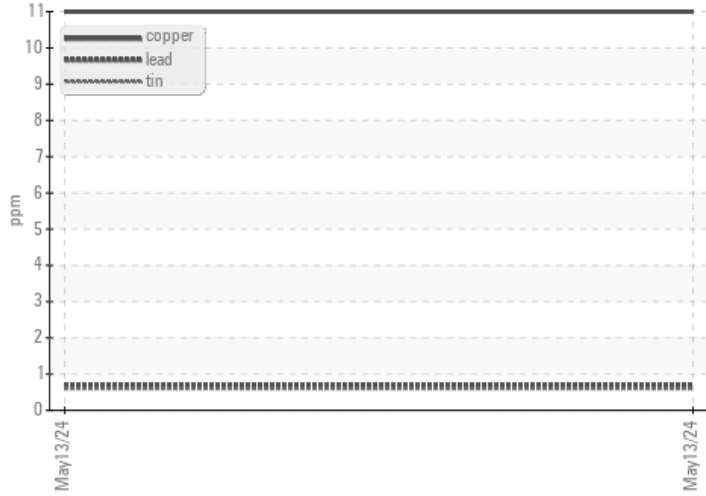


GRAPHS

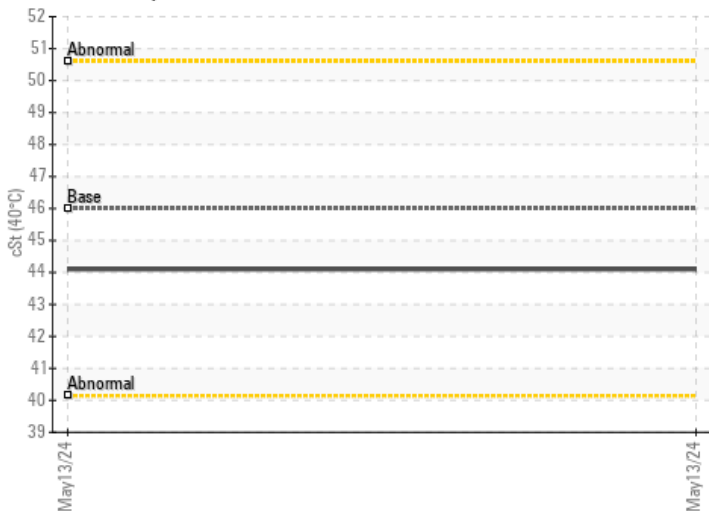
▲ Ferrous Alloys



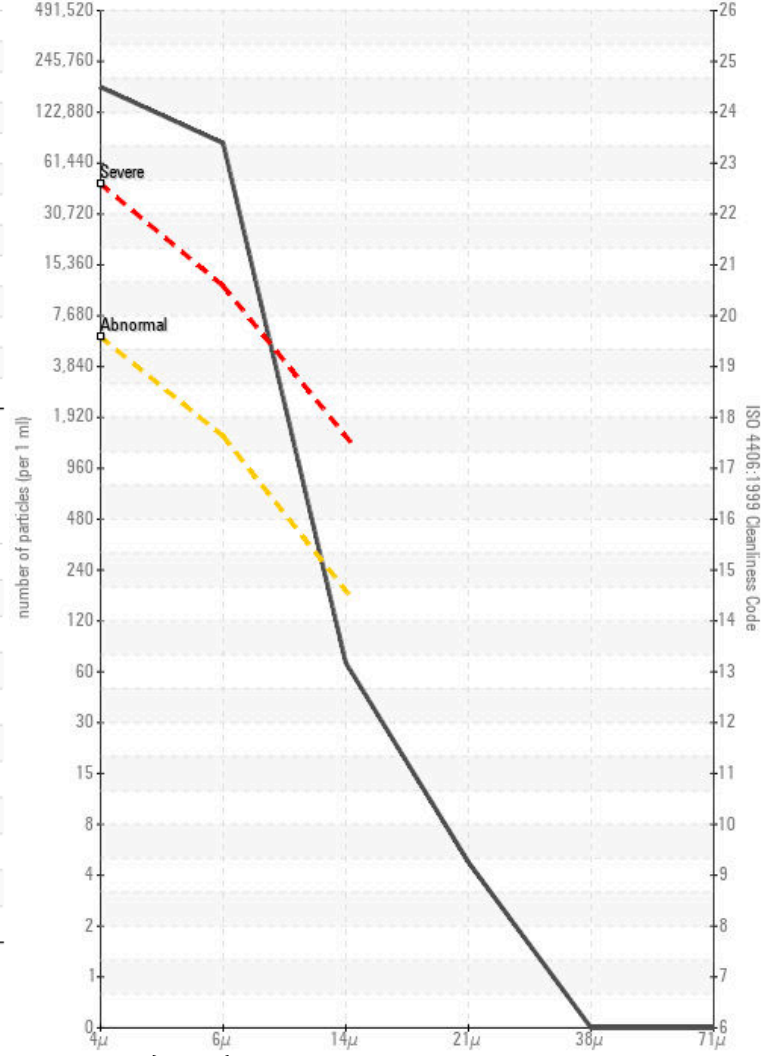
Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count



Acid Number

