



CONSTRUCTION EQUIPMENT

534887 MOSAIC VOLVO EC480EL 314392 - HYDRAULIC SYSTEM



Sample No: VCP444021
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 534887 MOSAIC



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SAMPLE INFORMATION

Sample Number	VCP444021	---	---	---
Sample Date	13 Apr 2024	---	---	---
Machine Hours	5903	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 41.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.52	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 200838	---	---	---
Particles >6µm		▲ 121935	---	---	---
Particles >14µm		█ 2214	---	---	---
ISO 4406:1999 (c)		25/24/18	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---



WEAR METALS

Iron	ppm	▲ 37	---	---	---
Copper	ppm	█ 51	---	---	---
Lead	ppm	█ 6	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1295	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 719	---	---	---
Phosphorus	ppm	█ 577	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

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. The AN level is acceptable for this fluid.

Depot: VOLVO0093
Unique No: 10989704
Signed: Don Baldrige
Report Date: 23 Apr 2024

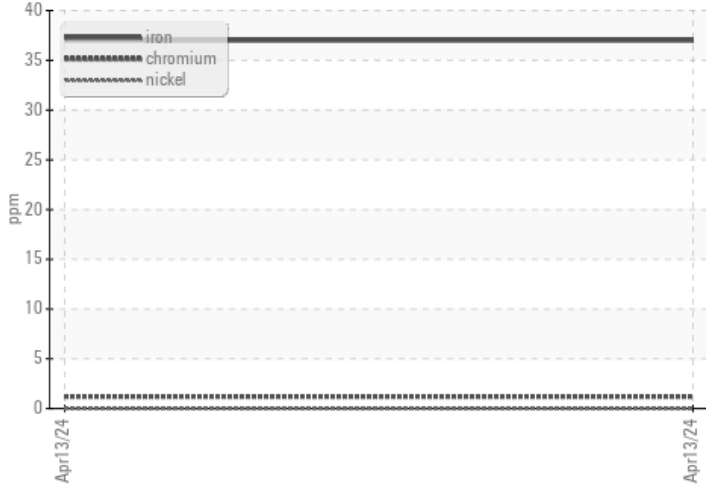


CONSTRUCTION EQUIPMENT

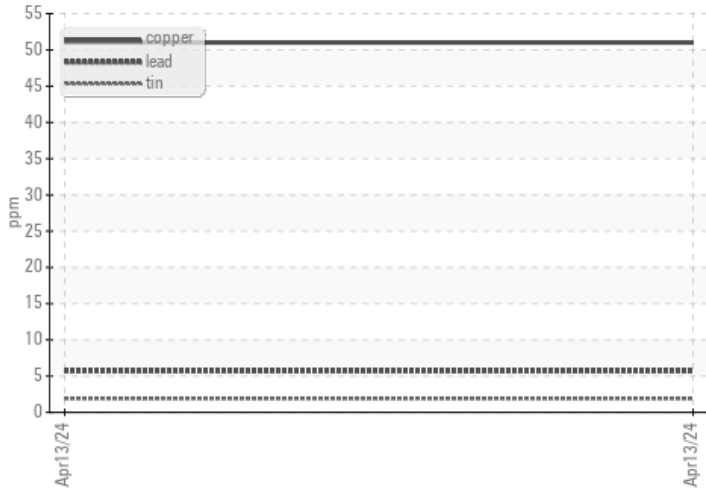


GRAPHS

▲ Ferrous Alloys



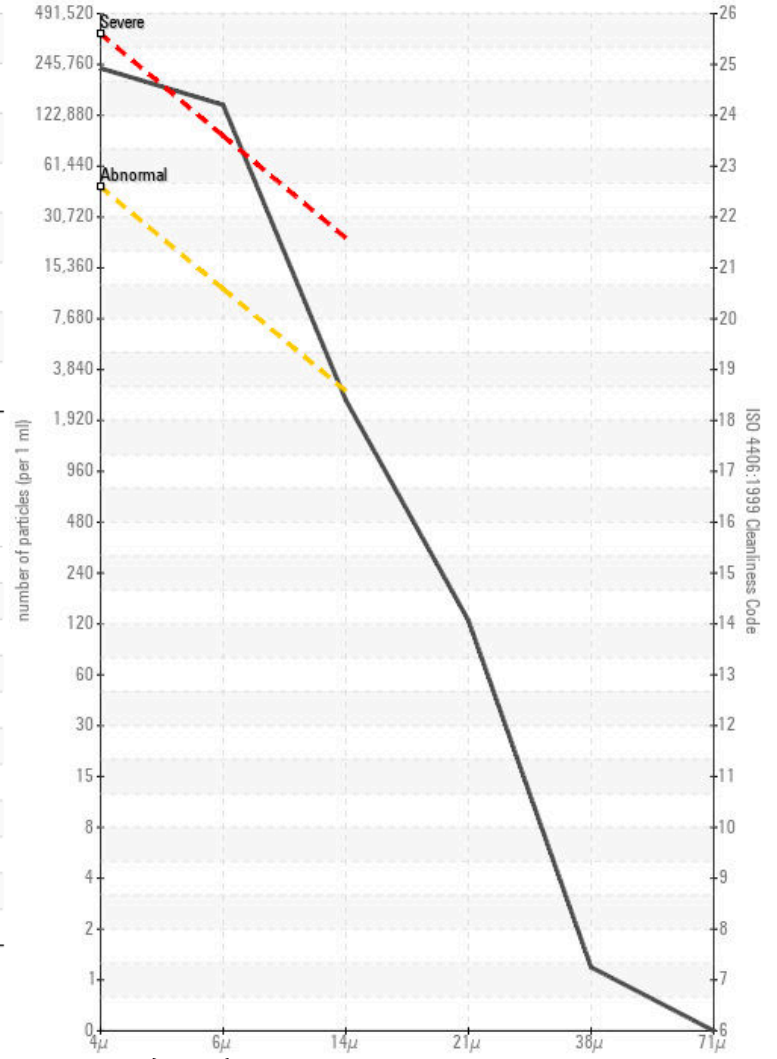
Non-ferrous Metals



Viscosity @ 40°C



▲ Particle Count



Acid Number

