



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 392279 VOLVO EC380E 314843 - HYDRAULIC SYSTEM



Sample No: VCP391990
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 392279



SAMPLE INFORMATION

Sample Number	VCP391990	---	---	---
Sample Date	24 Jan 2024	---	---	---
Machine Hours	4061	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 40°C	cSt	■ 44.1	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 104535	---	---	---
Particles >6µm		■ 7260	---	---	---
Particles >14µm		■ 47	---	---	---
ISO 4406:1999 (c)		24/20/13	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ <1	---	---	---

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 moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

Iron	ppm	■ 19	---	---	---
Copper	ppm	■ 14	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 45	---	---	---
Magnesium	ppm	■ 1	---	---	---
Zinc	ppm	■ 401	---	---	---
Phosphorus	ppm	■ 368	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ <1	---	---	---

Depot: VOLV00252
Unique No: 5720701
Signed: Wes Davis
Report Date: 30 Jan 2024

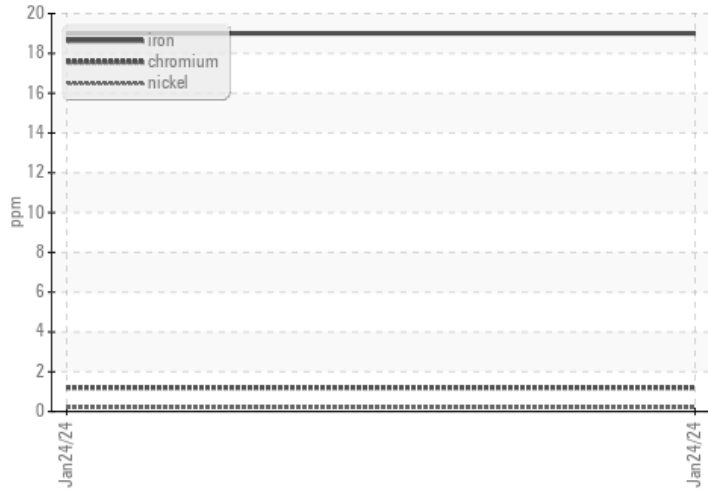


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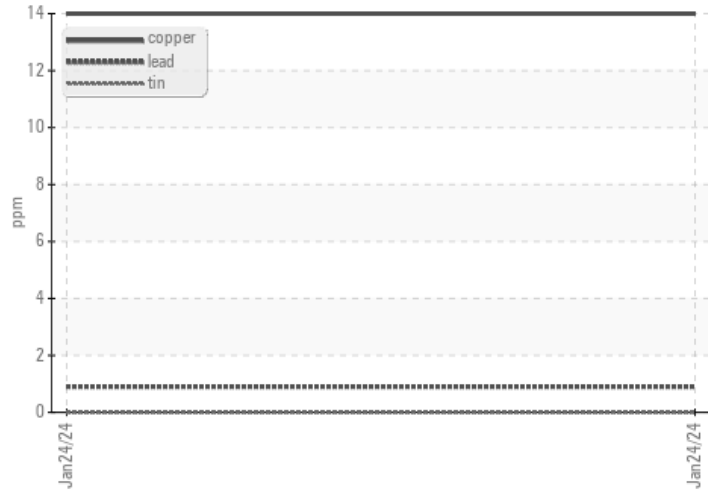


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

