



CONSTRUCTION EQUIPMENT

400465 VOLVO EC380EL 310395 - HYDRAULIC SYSTEM



Sample No: VCP394069
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 400465



SAMPLE INFORMATION

Sample Number	VCP394069	---	---	---
Sample Date	18 Apr 2024	---	---	---
Machine Hours	13269	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

STRONGCO EQUIPMENT (CE)

1051 Heritage Rd.
 Burlington, ON
 CA L7L 4Y1
 Contact: LLOYD WILLIAMS
 llwilliams@strongco.com
 T:
 F: (905)643-6077



OIL CONDITION

Visc @ 40°C	cSt	█ 44.2	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 363862	---	---	---
Particles >6µm		▲ 174870	---	---	---
Particles >14µm		█ 1473	---	---	---
ISO 4406:1999 (c)		26/25/18	---	---	---
Silicon	ppm	█ 0	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. The filter change at the time of sampling has been noted. Resample in 30-45 days to monitor this situation. All component wear rates are normal. There is a high 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	█ 2	---	---	---
Copper	ppm	█ 9	---	---	---
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	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 43	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 415	---	---	---
Phosphorus	ppm	█ 330	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: VOLVO0252
Unique No: 5763414
Signed: Wes Davis
Report Date: 22 Apr 2024

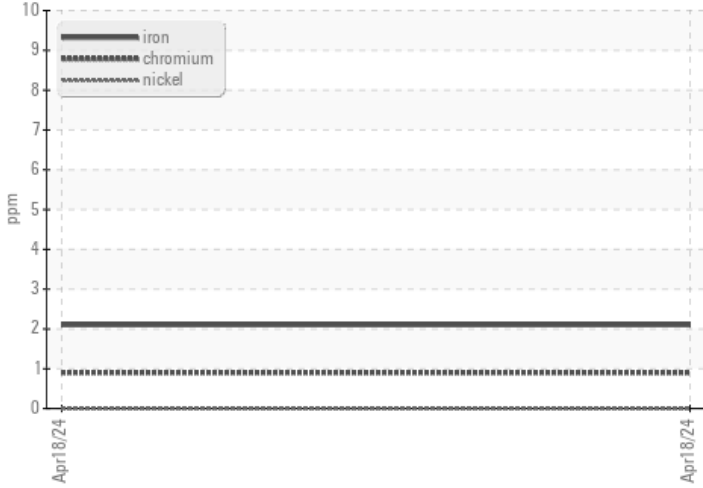


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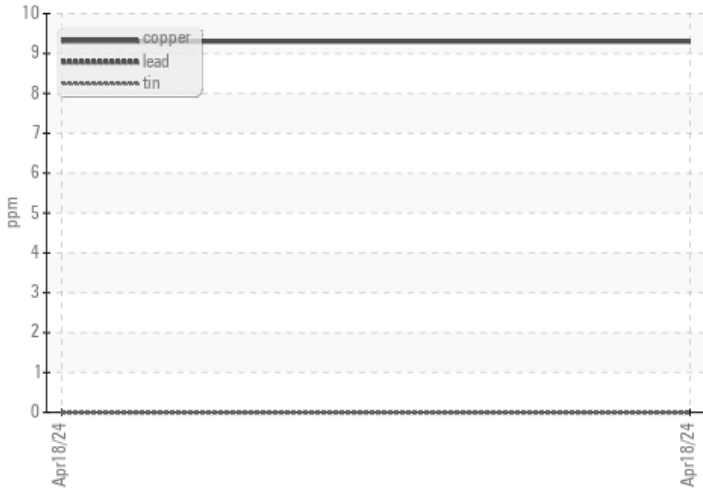


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

