



CONSTRUCTION EQUIPMENT

620252 ASHGROVE VOLVO EC480 315369 - HYDRAULIC SYSTEM



Sample No: VCP440372
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 620252 ASHGROVE



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SAMPLE INFORMATION

Sample Number	VCP440372	VCP440295	---	---
Sample Date	10 Oct 2023	26 Sep 2023	---	---
Machine Hours	791	595	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	41.2	41.6	---	---
Acid Number (AN)	mg KOH/g	0.51	0.50	---	---

CONTAMINATION

Particles >4µm		▲ 87834	15798	---	---
Particles >6µm		▲ 22522	3629	---	---
Particles >14µm		■ 1151	163	---	---
ISO 4406:1999 (c)		24/22/17	21/19/15	---	---
Silicon	ppm	■ 4	3	---	---
Sodium	ppm	■ <1	<1	---	---
Potassium	ppm	■ <1	0	---	---

WEAR METALS

Iron	ppm	■ 2	<1	---	---
Copper	ppm	■ 8	6	---	---
Lead	ppm	■ 0	0	---	---
Tin	ppm	■ 0	0	---	---
Aluminum	ppm	■ <1	<1	---	---
Chromium	ppm	■ <1	0	---	---
Molybdenum	ppm	■ 0	0	---	---
Nickel	ppm	■ 0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ <1	0	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	■ 86	92	---	---
Magnesium	ppm	■ 0	3	---	---
Zinc	ppm	■ 502	504	---	---
Phosphorus	ppm	■ 381	402	---	---
Barium	ppm	■ 0	0	---	---
Boron	ppm	■ 0	0	---	---

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 AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: VOLVO0096
Unique No: 10696843
Signed: Wes Davis
Report Date: 17 Oct 2023

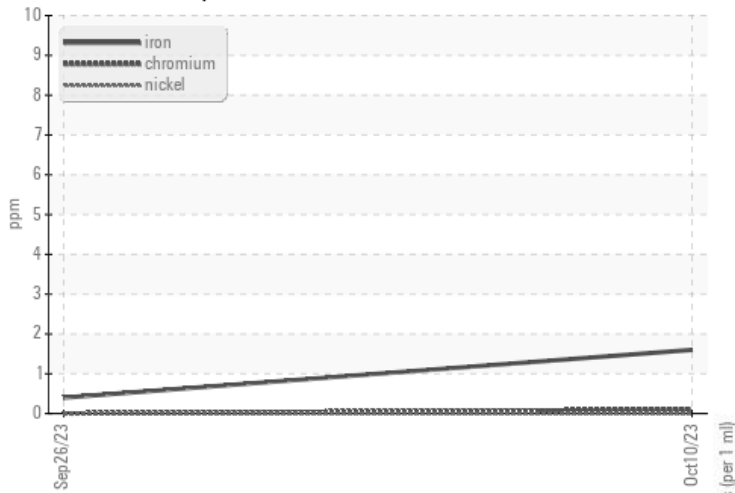


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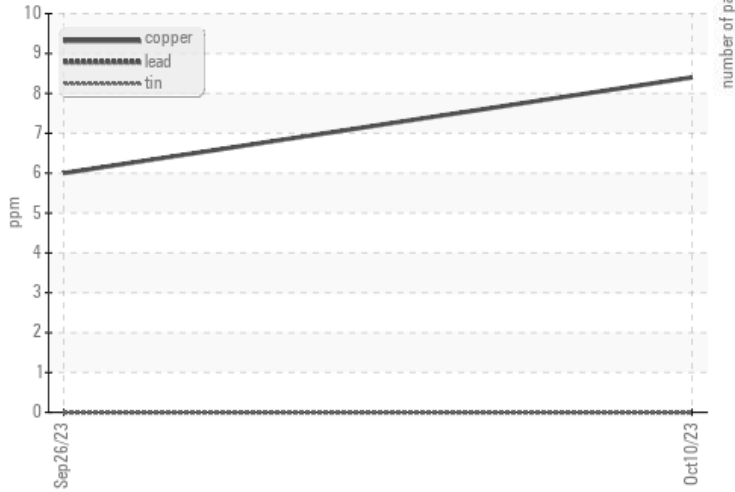


GRAPHS

Ferrous Alloys



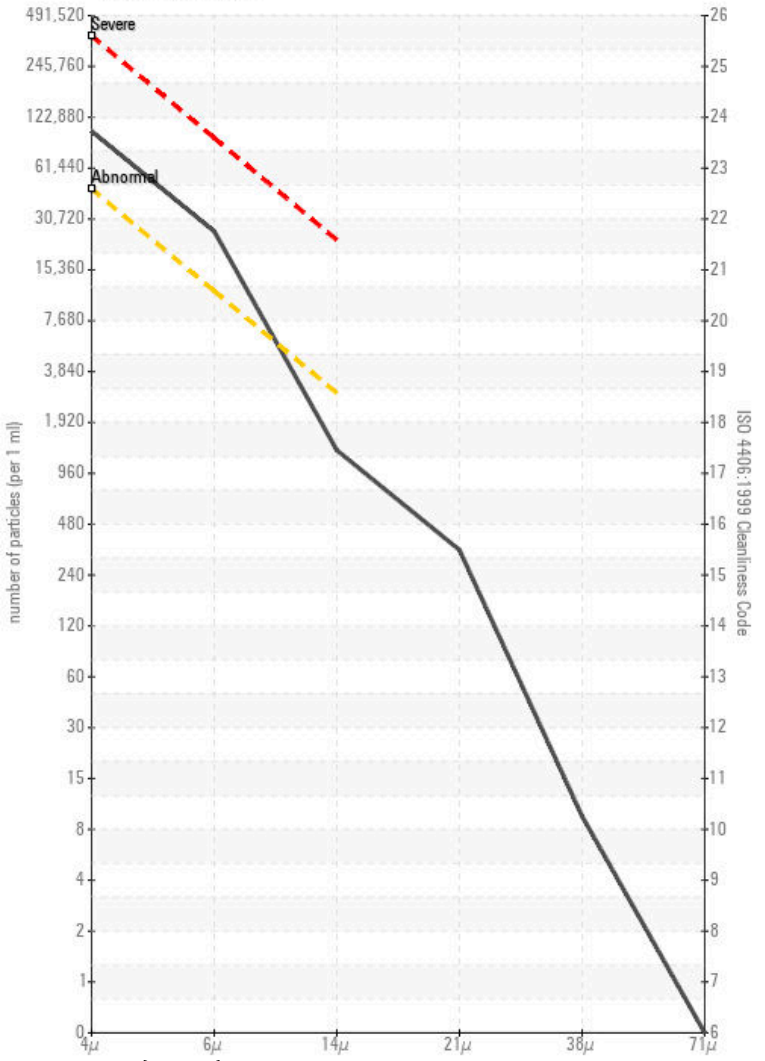
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

