



CONSTRUCTION EQUIPMENT

366720 VOLVO EC220EL 314927 - HYDRAULIC SYSTEM



Sample No: VCP433417
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 366720



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SAMPLE INFORMATION

Sample Number	VCP433417	---	---	---
Sample Date	20 Sep 2023	---	---	---
Machine Hours	635	---	---	---
Oil Hours	635	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 42.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.43	---	---	---



CONTAMINATION

Particles >4µm		█ 6388	---	---	---
Particles >6µm		█ 1305	---	---	---
Particles >14µm		█ 66	---	---	---
ISO 4406:1999 (c)		20/18/13	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 52	---	---	---
Potassium	ppm	█ 195	---	---	---



WEAR METALS

Iron	ppm	█ 0	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	2	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	1	---	---	---



ADDITIVES

Calcium	ppm	█ 0	---	---	---
Magnesium	ppm	█ 19	---	---	---
Zinc	ppm	█ 7	---	---	---
Phosphorus	ppm	█ 66	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

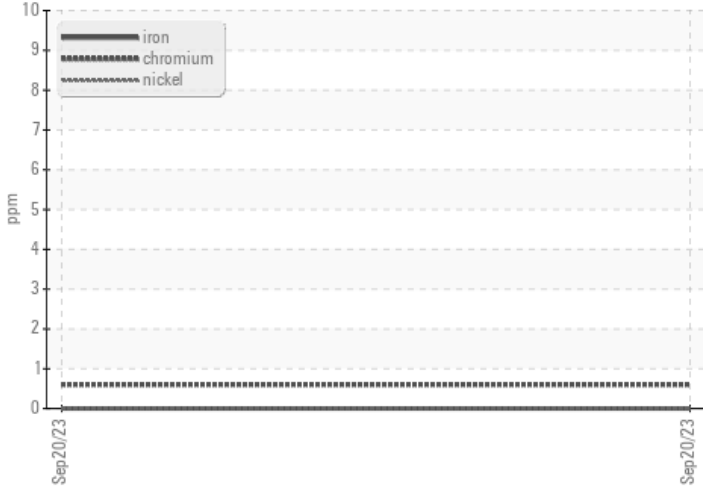
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 10659798
Signed: Jonathan Hester
Report Date: 26 Sep 2023

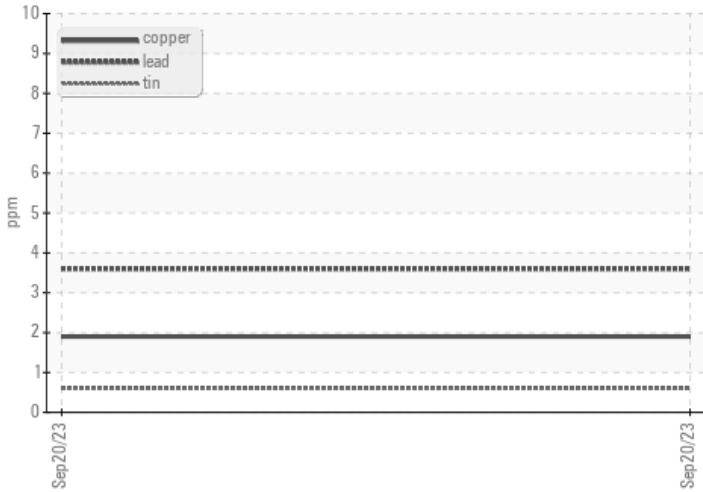


GRAPHS

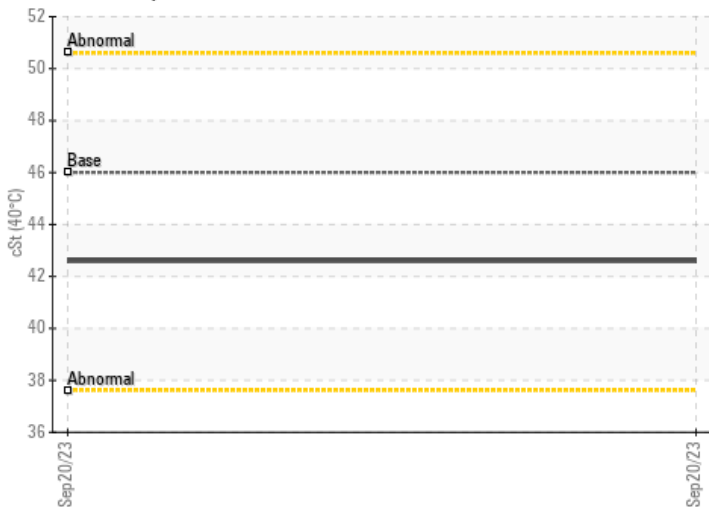
Ferrous Alloys



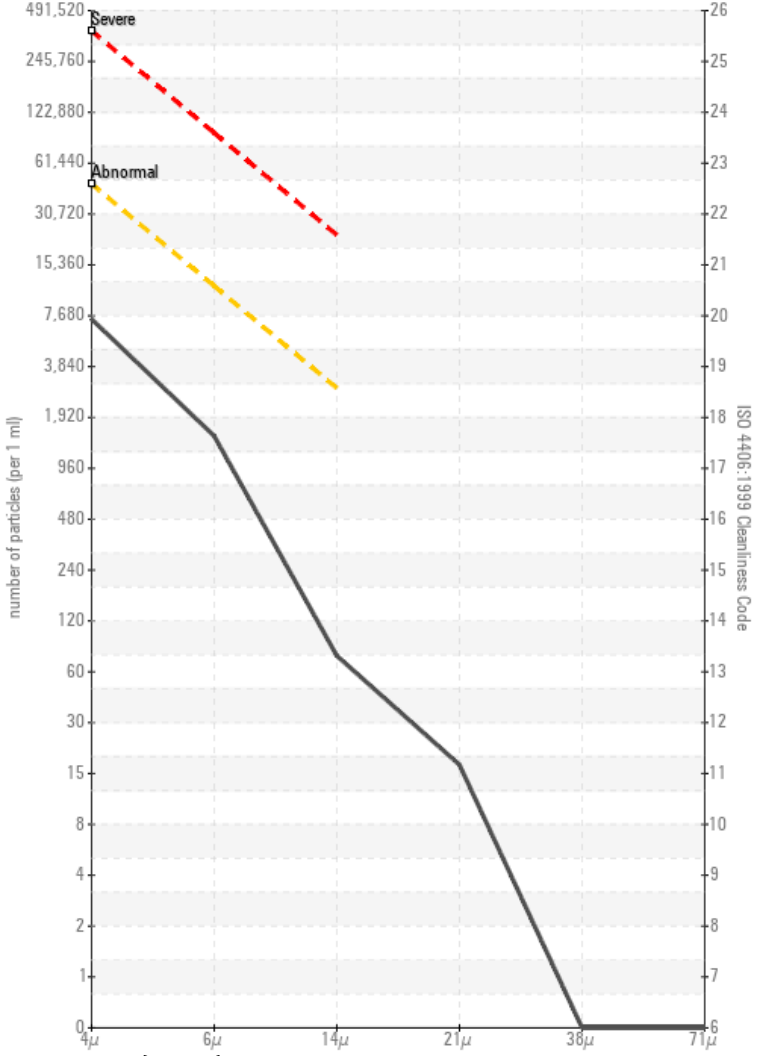
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

