



CONSTRUCTION EQUIPMENT

SW-1023434-2 J&J EXC VOLVO EC220E 314436 - HYDRAULIC SYSTEM



Sample No: VCP412542
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: SW-1023434-2 J&J EXC



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SAMPLE INFORMATION

Sample Number	VCP412542	---	---	---
Sample Date	05 Sep 2023	---	---	---
Machine Hours	2201	---	---	---
Oil Hours	2201	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	█ 41.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.50	---	---	---



CONTAMINATION

Particles >4µm		█ 565	---	---	---
Particles >6µm		█ 145	---	---	---
Particles >14µm		█ 11	---	---	---
ISO 4406:1999 (c)		16/14/11	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 0	---	---	---



WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 25	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 84	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 497	---	---	---
Phosphorus	ppm	█ 401	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

Diagnosis

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

Depot: VOLVO8770
Unique No: 10644934
Signed: Don Baldrige
Report Date: 14 Sep 2023

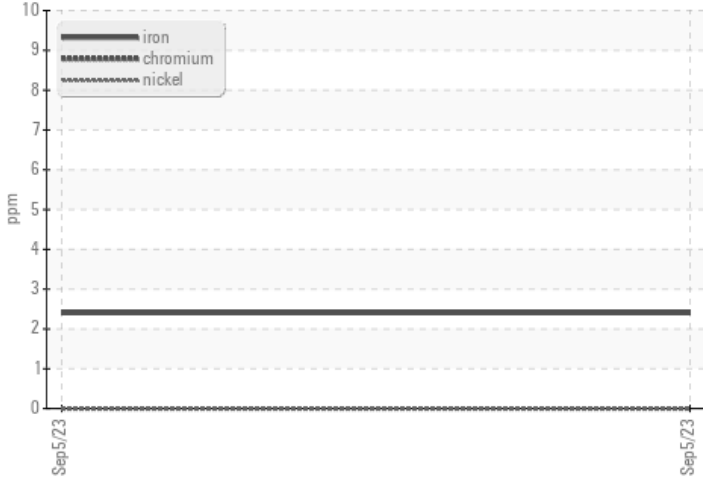


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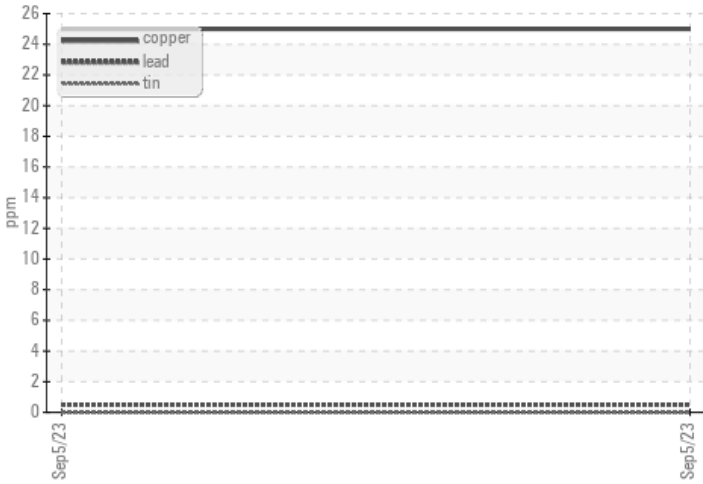


VOLVO GRAPHS

Ferrous Alloys



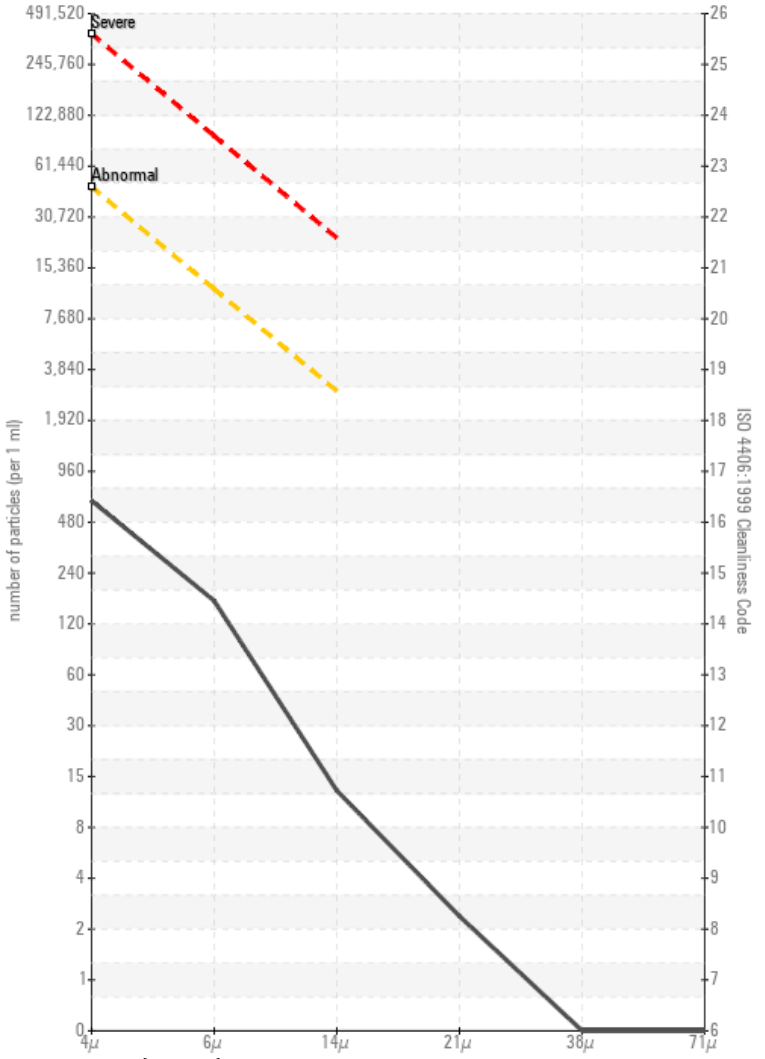
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

