



CONSTRUCTION EQUIPMENT

453037 WATERFRONT PR VOLVO EC380 315096 - HYDRAULIC SYSTEM



Sample No: VCP441894
Oil Type: {unknown}
Job No: 453037 WATERFRONT PR



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SAMPLE INFORMATION

Sample Number	VCP441894	VCP415913	---	---
Sample Date	16 Jan 2024	18 Aug 2023	---	---
Machine Hours	2415	1825	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	ATTENTION	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 42.1	█ 42.0	---	---
Acid Number (AN)	mg KOH/g	█ 0.45	█ 0.50	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		█ 2844	▲ 46544	---	---
Particles >6µm		█ 143	█ 5484	---	---
Particles >14µm		█ 9	█ 212	---	---
ISO 4406:1999 (c)		19/14/10	23/20/15	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ 0	█ 0	---	---
Potassium	ppm	█ 1	█ 0	---	---

WEAR METALS

Iron	ppm	█ 3	█ 2	---	---
Copper	ppm	█ 27	█ 20	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	0	█ 0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	█ <1	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	71	█ 74	---	---
Magnesium	ppm	0	█ 0	---	---
Zinc	ppm	489	█ 491	---	---
Phosphorus	ppm	457	█ 398	---	---
Barium	ppm	3	█ 0	---	---
Boron	ppm	0	█ 0	---	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 10834907
Signed: Wes Davis
Report Date: 19 Jan 2024

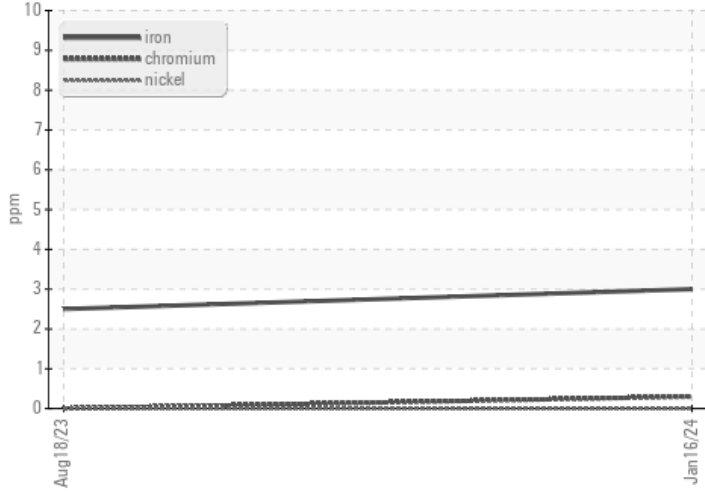


CONSTRUCTION EQUIPMENT

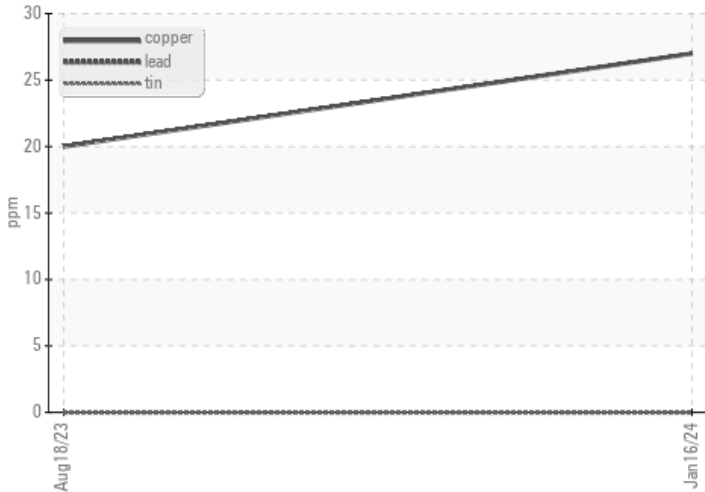


GRAPHS

Ferrous Alloys



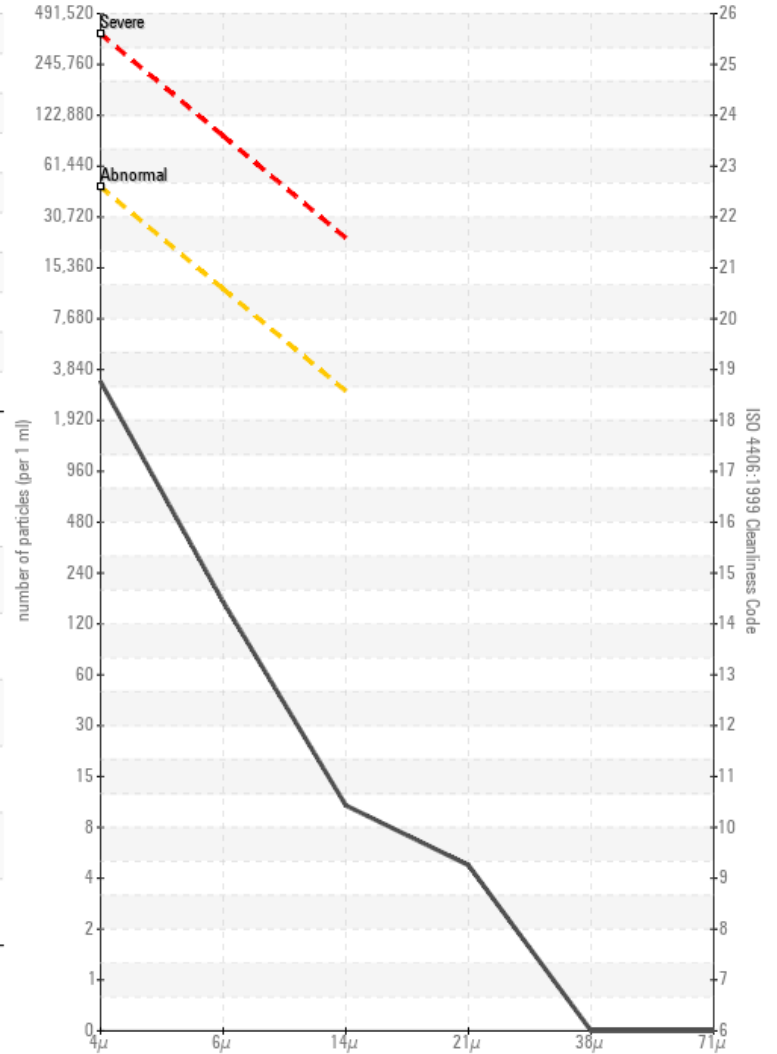
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

