



CONSTRUCTION EQUIPMENT

659020 TUCKER PAVING VOLVO EC550EL 310196 - HYDRAULIC SYSTEM



Sample No: VCP428793
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 659020 TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP428793	VCP371170	---	---
Sample Date	05 Jan 2024	07 Sep 2023	---	---
Machine Hours	1236	689	---	---
Oil Hours	1236	689	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	41.5	41.8	---	---
Acid Number (AN)	mg KOH/g	0.50	0.52	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		3513	4098	---	---
Particles >6µm		392	639	---	---
Particles >14µm		20	29	---	---
ISO 4406:1999 (c)		19/16/11	19/16/12	---	---
Silicon	ppm	2	3	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	0	<1	---	---

Diagnosis

Resample at the next service interval to monitor. 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.



WEAR METALS

Iron	ppm	0	1	---	---
Copper	ppm	12	9	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	0	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	75	92	---	---
Magnesium	ppm	0	0	---	---
Zinc	ppm	529	561	---	---
Phosphorus	ppm	405	446	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: VOLVO0093
Unique No: 10861820
Signed: Wes Davis
Report Date: 06 Feb 2024

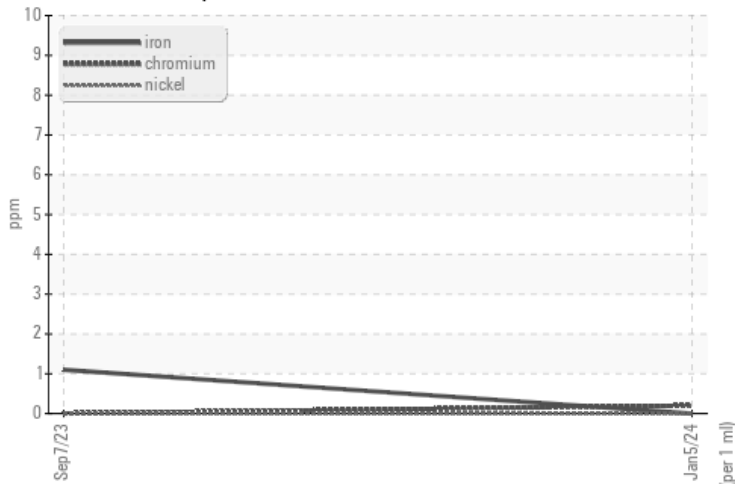


CONSTRUCTION EQUIPMENT

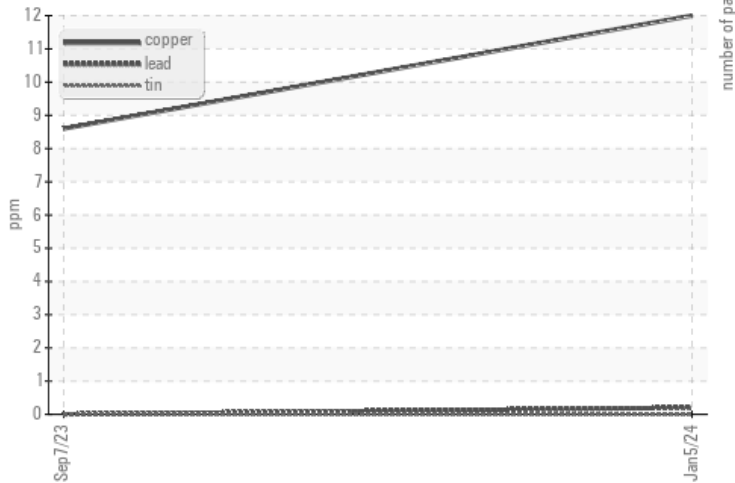


GRAPHS

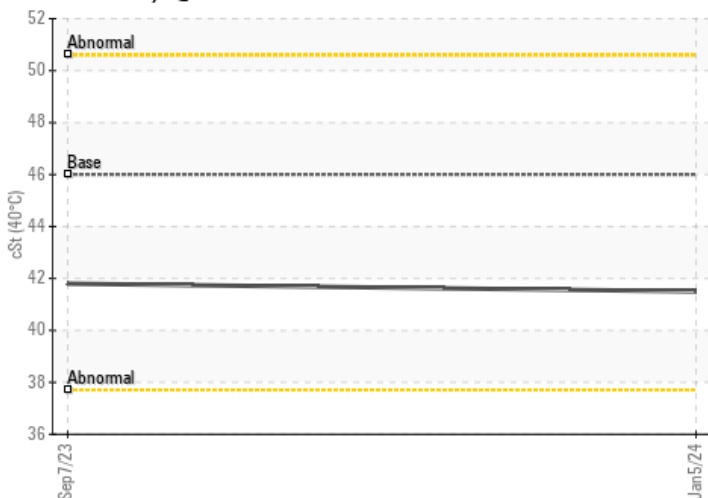
Ferrous Alloys



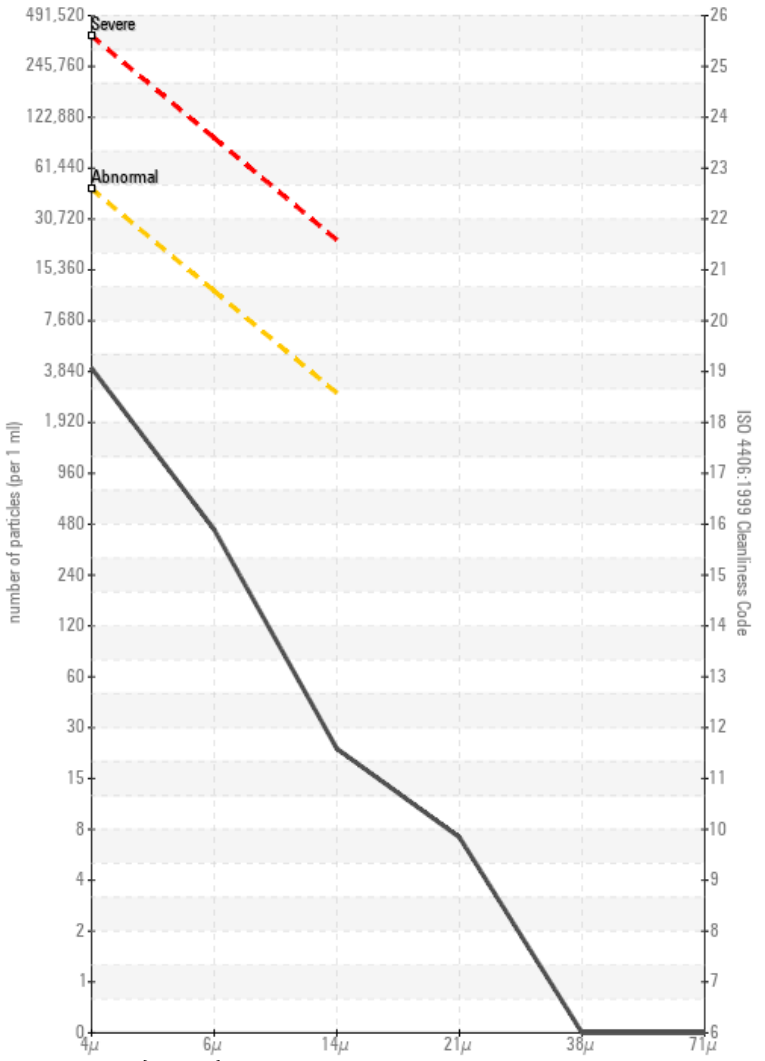
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

