



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO EC550EL 310196 - HYDRAULIC SYSTEM



Sample No: VCP446023
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: TUCKER PAVING



SAMPLE INFORMATION

Sample Number	VCP446023	VCP428793	VCP371170	---
Sample Date	28 Apr 2024	05 Jan 2024	07 Sep 2023	---
Machine Hours	1729	1236	689	---
Oil Hours	0	1236	689	---
Oil Changed	Not Chngd	Not Chngd	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	41.1	41.5	41.8	---
Acid Number (AN)	mg KOH/g	0.56	0.50	0.52	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		1761	3513	4098	---
Particles >6µm		448	392	639	---
Particles >14µm		24	20	29	---
ISO 4406:1999 (c)		18/16/12	19/16/11	19/16/12	---
Silicon	ppm	4	2	3	---
Sodium	ppm	2	0	<1	---
Potassium	ppm	3	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	4	0	1	---
Copper	ppm	13	12	9	---
Lead	ppm	0	<1	0	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	1	0	0	---
Chromium	ppm	<1	<1	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	78	75	92	---
Magnesium	ppm	2	0	0	---
Zinc	ppm	531	529	561	---
Phosphorus	ppm	420	405	446	---
Barium	ppm	<1	0	0	---
Boron	ppm	0	0	0	---

Depot: VOLVO0093
Unique No: 11044333
Signed: Wes Davis
Report Date: 23 May 2024

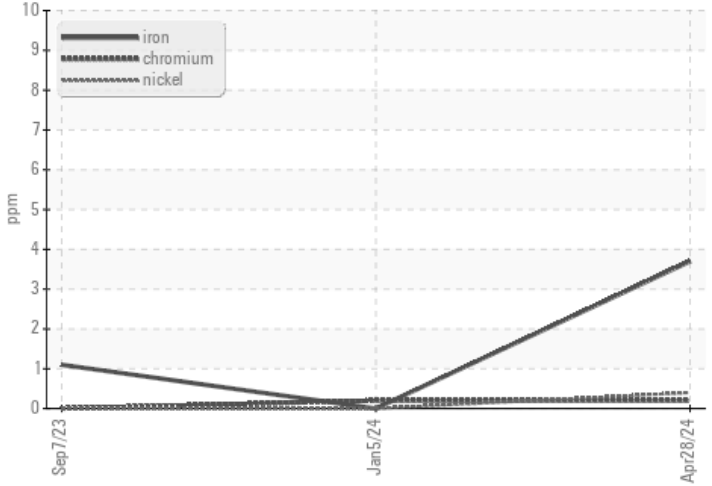


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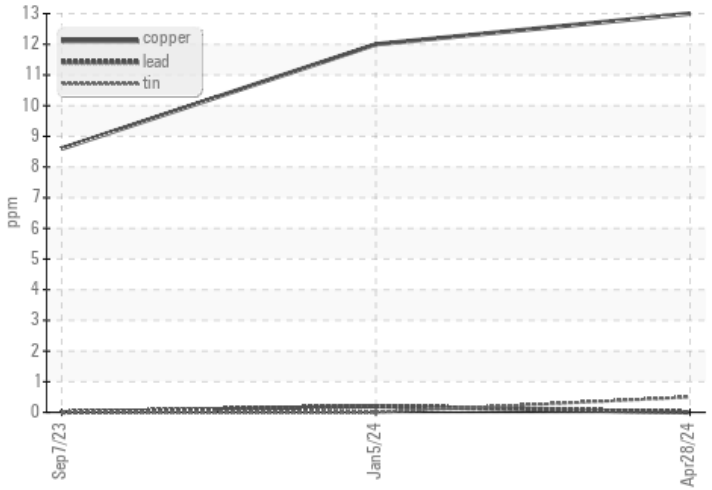


VOLVO GRAPHS

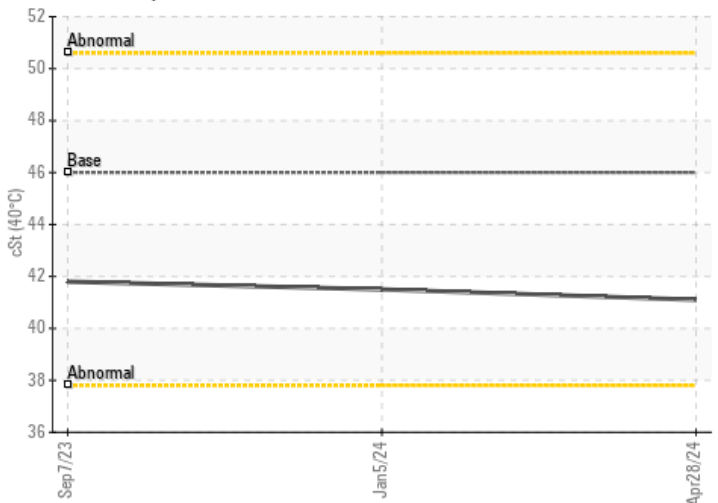
Ferrous Alloys



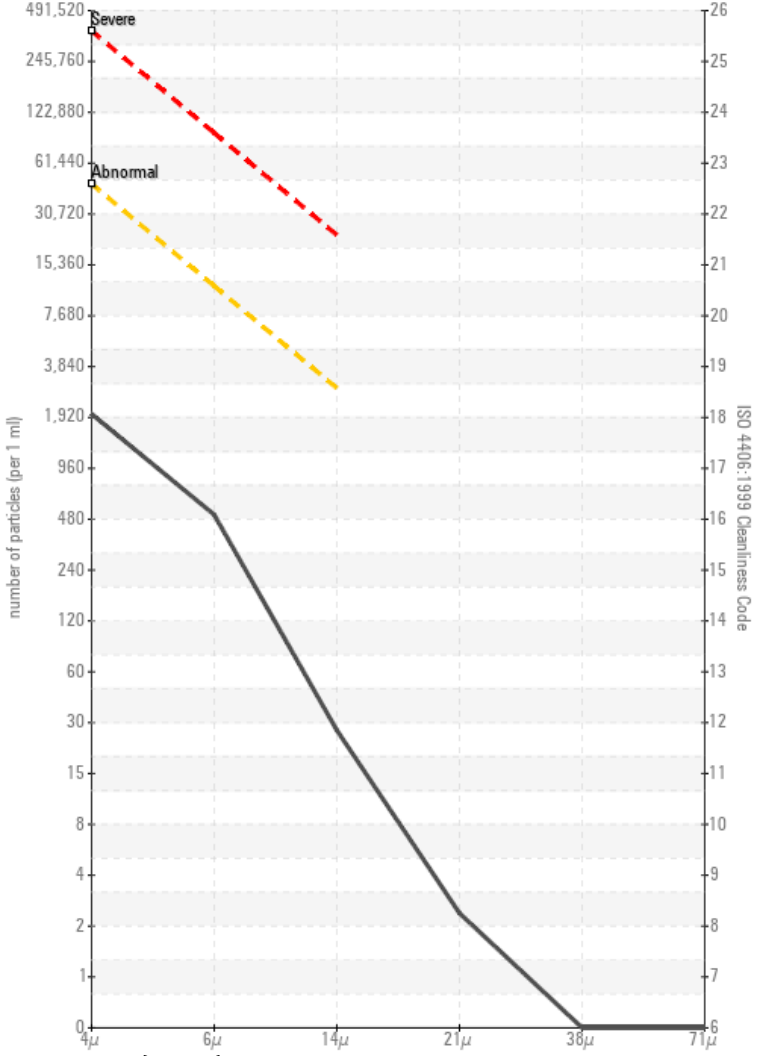
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

