



CONSTRUCTION EQUIPMENT

TUCKER PAVING VOLVO L110H 631173 - HYDRAULIC SYSTEM



Sample No: VCP428547
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: TUCKER PAVING



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SAMPLE INFORMATION

Sample Number	VCP428547	VCP385332	VCP305438	---
Sample Date	08 Nov 2023	20 Sep 2022	28 Feb 2021	---
Machine Hours	8180	7145	5628	---
Oil Hours	0	500	0	---
Oil Changed	N/A	Not Changd	Not Changd	---
Sample Status	ABNORMAL	NORMAL	ABNORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	47.1	49.4	47.8	---
Acid Number (AN)	mg KOH/g	0.42	0.33	0.393	---



CONTAMINATION

Particles >4µm		54830	4531	16210	---
Particles >6µm		18474	477	4560	---
Particles >14µm		1262	32	477	---
ISO 4406:1999 (c)		23/21/17	19/16/12	21/19/16	---
Silicon	ppm	4	4	2	---
Sodium	ppm	<1	2	0	---
Potassium	ppm	<1	<1	0	---



WEAR METALS

Iron	ppm	2	5	3	---
Copper	ppm	1	2	1	---
Lead	ppm	<1	<1	1	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	<1	3	0	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	2	<1	<1	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	<1	0	---
Vanadium	ppm	0	1	0	---



ADDITIVES

Calcium	ppm	86	45	59	---
Magnesium	ppm	0	0	6	---
Zinc	ppm	438	404	430	---
Phosphorus	ppm	344	356	346	---
Barium	ppm	0	0	<1	---
Boron	ppm	3	1	10	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: VOLVO0093
Unique No: 10739255
Signed: Don Baldrige
Report Date: 15 Nov 2023

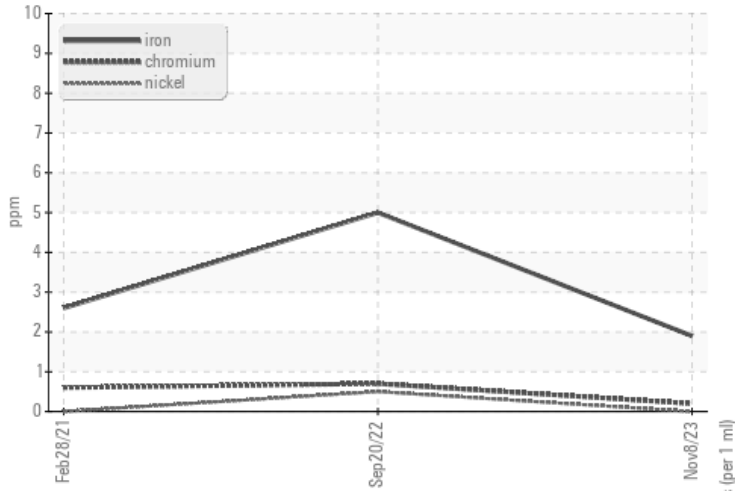


CONSTRUCTION EQUIPMENT

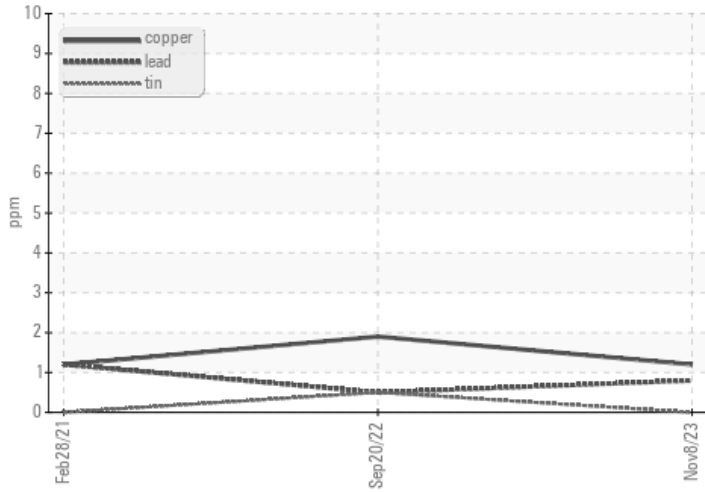


VOLVO GRAPHS

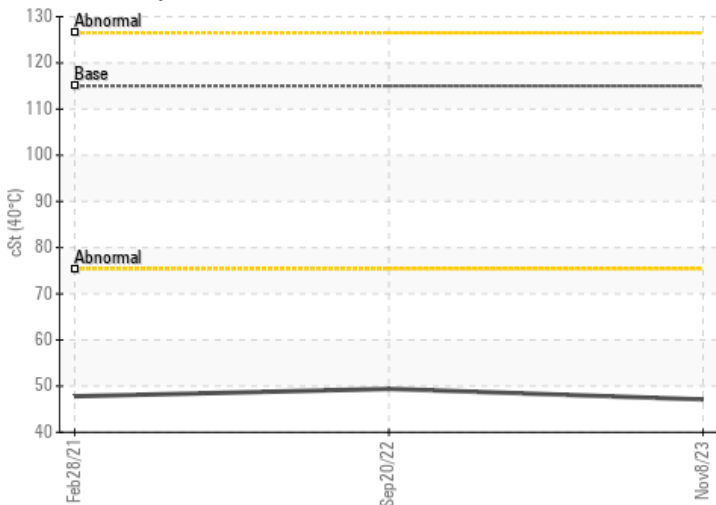
Ferrous Alloys



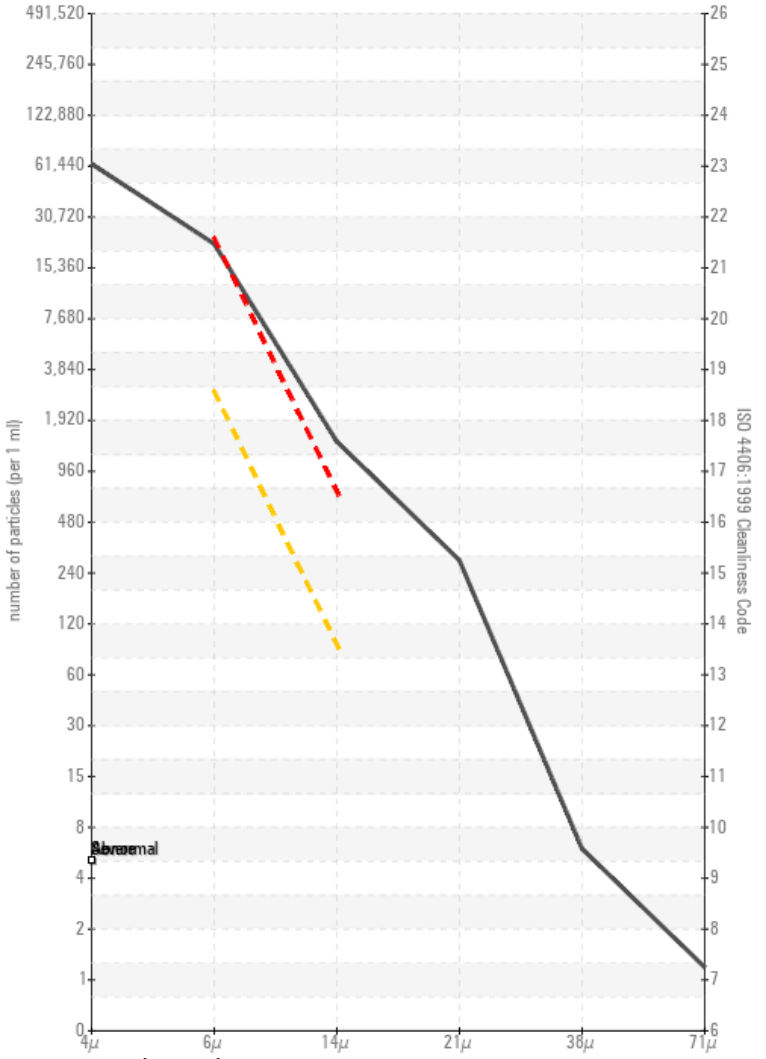
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

