



# CONSTRUCTION EQUIPMENT

## 621714 TUCKER PAVING VOLVO A25G 752447 - HYDRAULIC SYSTEM



**Sample No:** VCP432179  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 621714 TUCKER PAVING



### SAMPLE INFORMATION

Sample Number	VCP432179	VCP383033	---	---
Sample Date	31 Oct 2023	23 Feb 2023	---	---
Machine Hours	2238	1077	---	---
Oil Hours	2238	1500	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█43.2	█44.4	---	---
Acid Number (AN)	mg KOH/g	█0.38	█0.46	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		---	5607	---	---
Particles >6µm		---	█1170	---	---
Particles >14µm		---	█65	---	---
ISO 4406:1999 (c)		---	20/17/13	---	---
Silicon	ppm	█4	█3	---	---
Sodium	ppm	█0	█1	---	---
Potassium	ppm	█2	█0	---	---

### Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	█9	█4	---	---
Copper	ppm	█4	█2	---	---
Lead	ppm	█3	█<1	---	---
Tin	ppm	█<1	█0	---	---
Aluminum	ppm	█2	█<1	---	---
Chromium	ppm	█<1	█0	---	---
Molybdenum	ppm	█<1	█0	---	---
Nickel	ppm	█<1	█0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█<1	█<1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

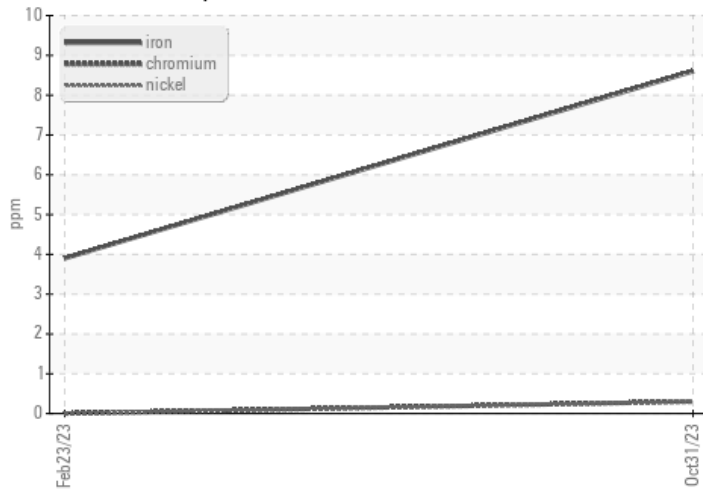
Calcium	ppm	█105	█104	---	---
Magnesium	ppm	█2	█7	---	---
Zinc	ppm	█450	█456	---	---
Phosphorus	ppm	█308	█369	---	---
Barium	ppm	█0	█0	---	---
Boron	ppm	█0	█0	---	---

**Depot:** VOLVO0093  
**Unique No:** 10764997  
**Signed:** Jonathan Hester  
**Report Date:** 04 Dec 2023

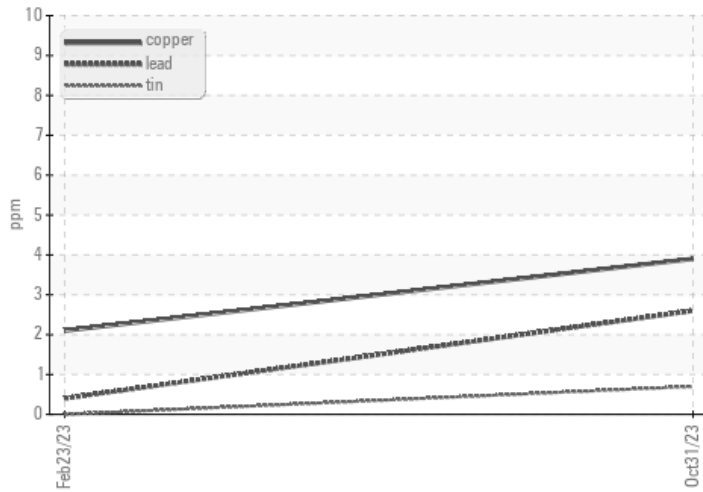


## GRAPHS

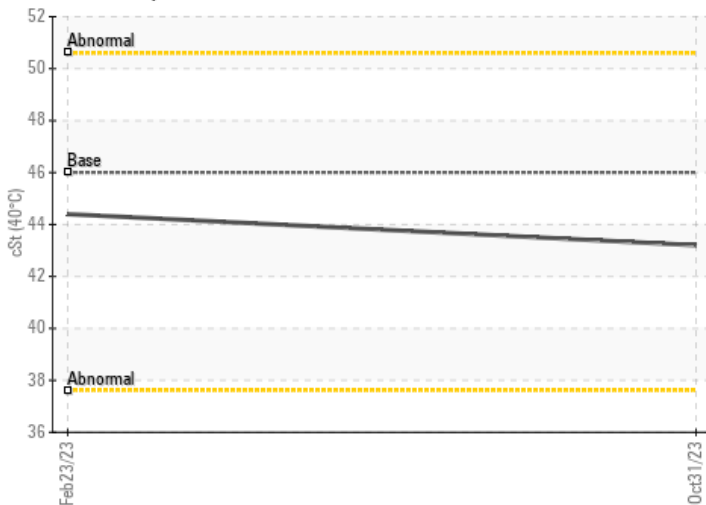
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

