



# CONSTRUCTION EQUIPMENT

## SPM621308 COMM CONTR VOLVO EC200E 314457 - HYDRAULIC SYSTEM



**Sample No:** VCP409247  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM621308 COMM CONTR



### SAMPLE INFORMATION

Sample Number	VCP409247	VCP423220	---	---
Sample Date	10 Nov 2023	06 Jun 2023	---	---
Machine Hours	2033	1297	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changed	Not Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 41.7	█ 42.5	---	---
Acid Number (AN)	mg KOH/g	█ 0.49	█ 0.47	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		---	█ 2326	---	---
Particles >6µm		---	█ 337	---	---
Particles >14µm		---	█ 31	---	---
ISO 4406:1999 (c)		---	18/16/12	---	---
Silicon	ppm	█ 3	█ 5	---	---
Sodium	ppm	█ 2	█ 0	---	---
Potassium	ppm	█ 0	█ 1	---	---

### Diagnosis

No corrective action is recommended at this time. 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	█ 1	█ 6	---	---
Copper	ppm	█ 5	█ 29	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 0	█ 0	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 0	█ 0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ 0	---	---
Vanadium	ppm	<1	0	---	---



### ADDITIVES

Calcium	ppm	█ 86	█ 122	---	---
Magnesium	ppm	█ <1	█ 1	---	---
Zinc	ppm	█ 422	█ 557	---	---
Phosphorus	ppm	█ 341	█ 404	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

**Depot:** VOLVO8885  
**Unique No:** 10766946  
**Signed:** Don Baldrige  
**Report Date:** 05 Dec 2023

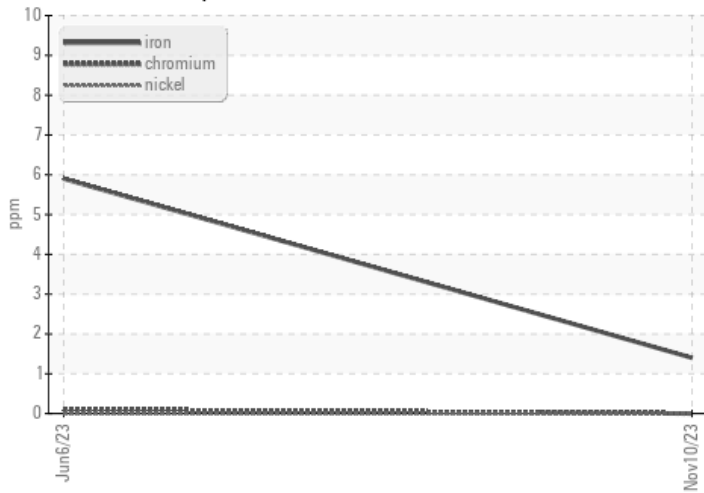


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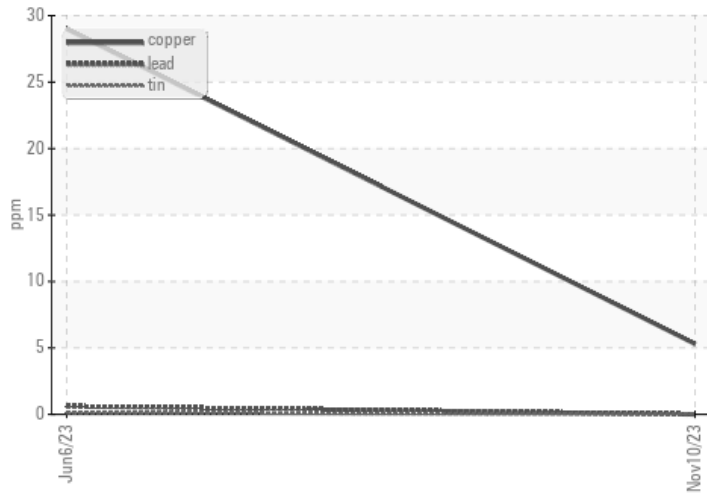


## GRAPHS

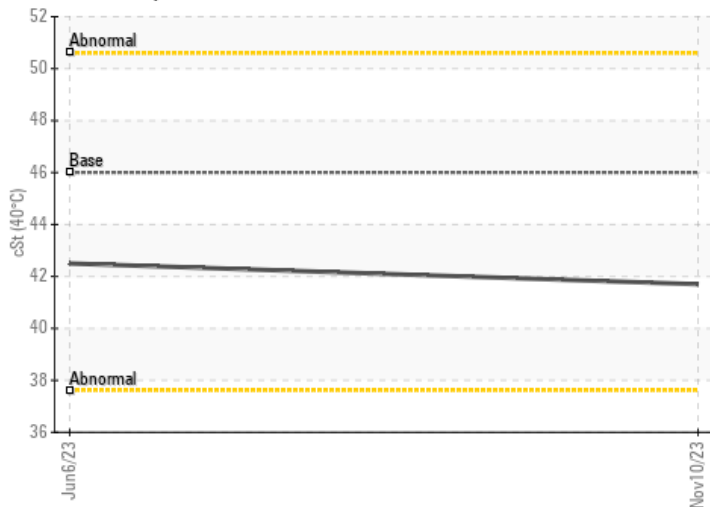
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

