



# CONSTRUCTION EQUIPMENT

## S50801324 IDEAL TRAC VOLVO L220H 2735 - HYDRAULIC SYSTEM



**Sample No:** VCP442138  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** S50801324 IDEAL TRAC



### SAMPLE INFORMATION

Sample Number	VCP442138	---	---	---
Sample Date	22 Nov 2023	---	---	---
Machine Hours	10232	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### VCES- VOLVO CONSTRUCTION EQUIPMENT

8594 FRUITRIDGE ROAD  
 SACRAMENTO, CA  
 US 95826  
 Contact: RAY KRANZUSCH  
 ray.kranzusch@vcesvolvo.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	43.1	---	---	---
Acid Number (AN)	mg KOH/g	1.04	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		11309	---	---	---
Particles >6µm		1731	---	---	---
Particles >14µm		131	---	---	---
ISO 4406:1999 (c)		21/18/14	---	---	---
Silicon	ppm	11	---	---	---
Sodium	ppm	0	---	---	---
Potassium	ppm	1	---	---	---

### Diagnosis

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



### WEAR METALS

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



### ADDITIVES

Calcium	ppm	1560	---	---	---
Magnesium	ppm	40	---	---	---
Zinc	ppm	799	---	---	---
Phosphorus	ppm	575	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	31	---	---	---

**Depot:** VOLVO4485  
**Unique No:** 10764439  
**Signed:** Doug Bogart  
**Report Date:** 30 Nov 2023

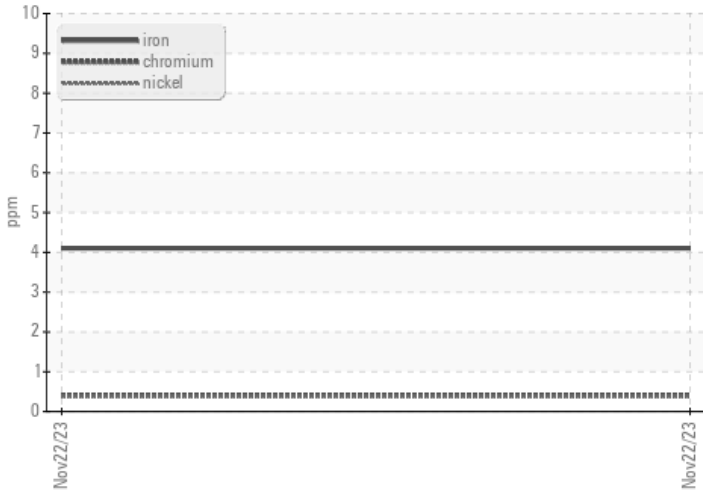


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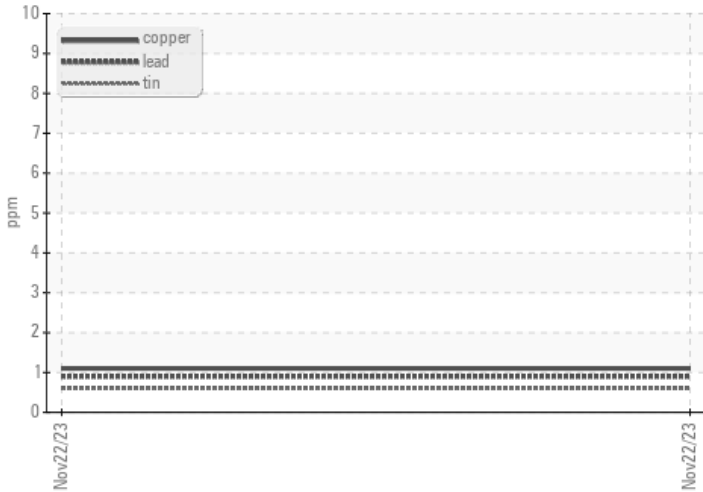


## GRAPHS

### Ferrous Alloys



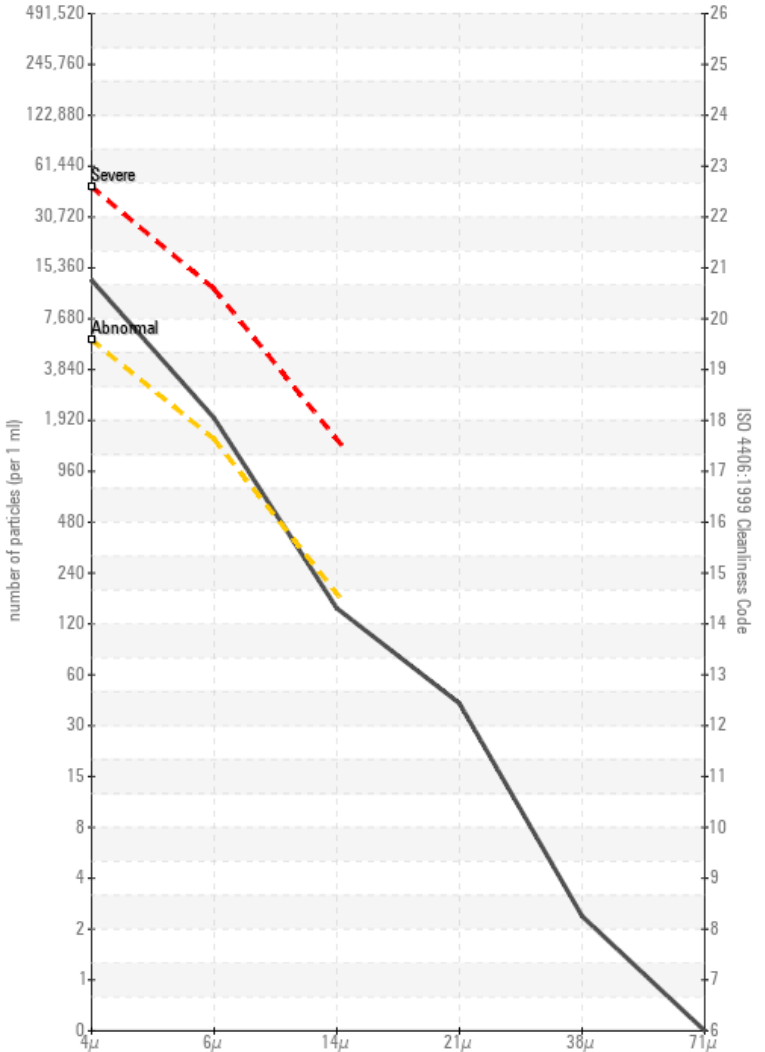
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

