



# CONSTRUCTION EQUIPMENT

## 382544 VOLVO L220E 3395 - HYDRAULIC SYSTEM



**Sample No:** VCP391800  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 382544



### SAMPLE INFORMATION

Sample Number	VCP391800	---	---	---
Sample Date	24 Oct 2023	---	---	---
Machine Hours	19821	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

### STRONGCO EQUIP (AB)

6 - 38403 BURNT LAKE TRAIL  
 RED DEER COUNTY, AB  
 CA T4S 2L4  
 Contact: Joseph St Peter  
 jstpeter@strongco.com  
 T: (403)346-3473  
 F: (403)346-3487



### OIL CONDITION

Visc @ 40°C	cSt	▲ 30.1	---	---	---
-------------	-----	--------	-----	-----	-----



### CONTAMINATION

Particles >4µm		11781	---	---	---
Particles >6µm		█ 1808	---	---	---
Particles >14µm		█ 62	---	---	---
ISO 4406:1999 (c)		21/18/13	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---

### 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. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 196	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 393	---	---	---
Phosphorus	ppm	█ 325	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 5	---	---	---

**Depot:** VOLVO9652  
**Unique No:** 5668870  
**Signed:** Kevin Marson  
**Report Date:** 26 Oct 2023

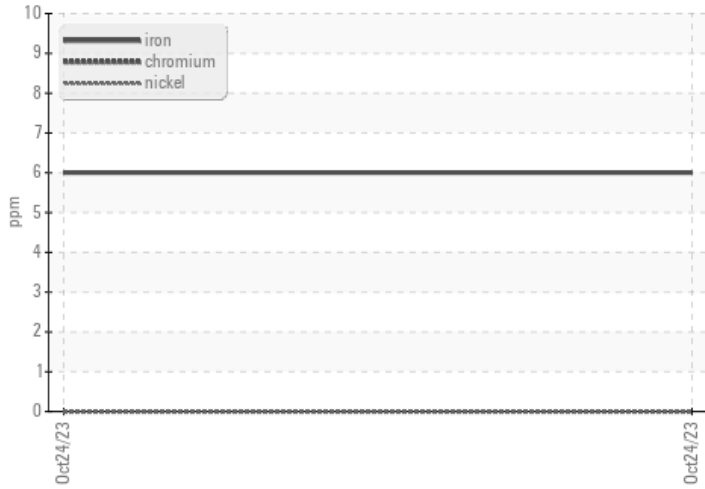


# CONSTRUCTION EQUIPMENT

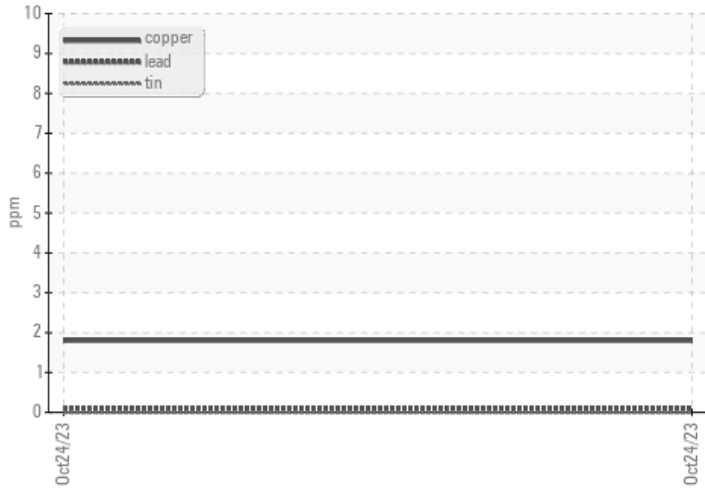


## GRAPHS

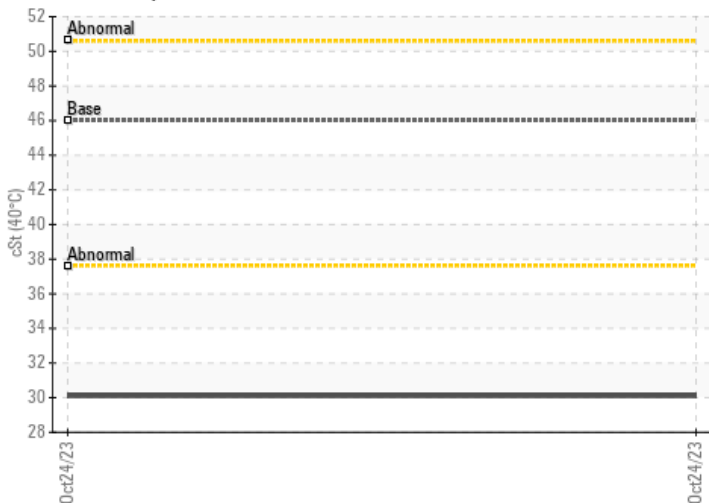
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

