



# CONSTRUCTION EQUIPMENT

## 717434 BULK EXPRESS VOLVO EC220EL 315754 - HYDRAULIC SYSTEM



**Sample No:** VCP454657  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 717434 BULK EXPRESS



### SAMPLE INFORMATION

Sample Number	VCP454657	---	---	---
Sample Date	04 Jun 2024	---	---	---
Machine Hours	2467	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 T: (954)581-4744  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 41.0	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.61	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 1	---	---	---



### WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 40	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 80	---	---	---
Magnesium	ppm	█ 1	---	---	---
Zinc	ppm	█ 571	---	---	---
Phosphorus	ppm	█ 445	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

### Diagnosis

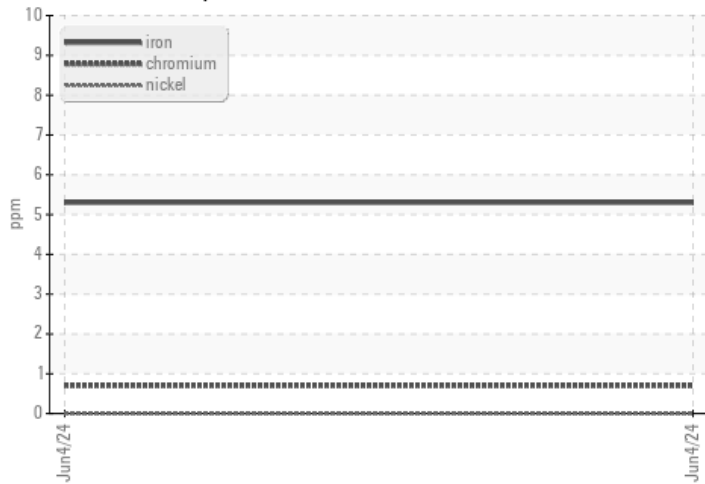
The oil change at the time of sampling has been noted. We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal.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

**Depot:** VOLVO0095  
**Unique No:** 11070111  
**Signed:** Don Baldrige  
**Report Date:** 10 Jun 2024

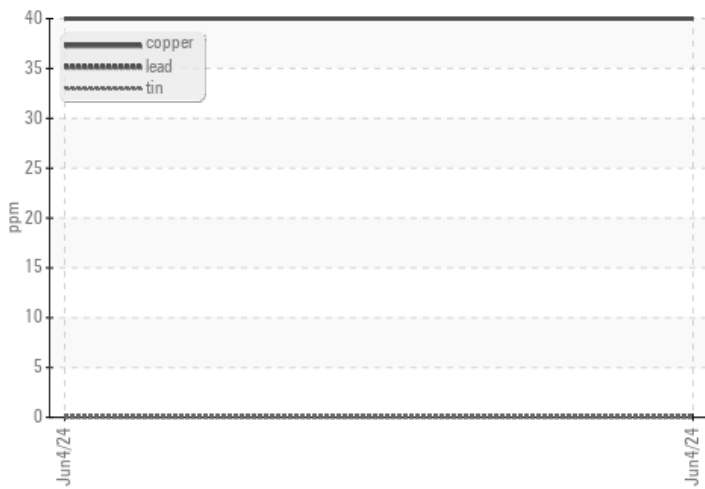


## GRAPHS

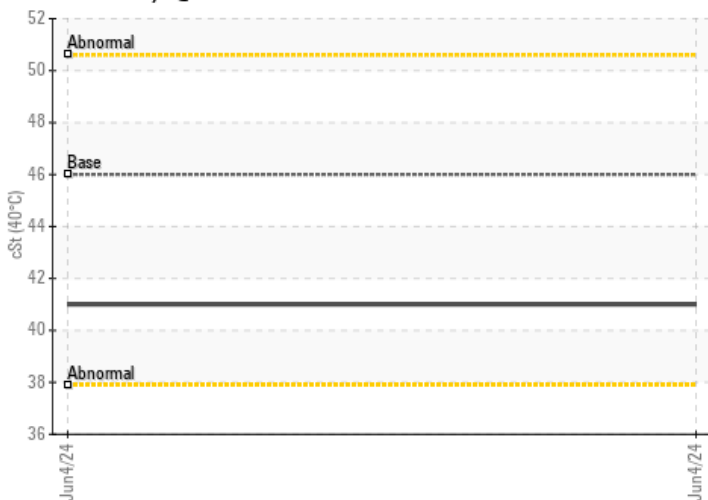
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

