



# CONSTRUCTION EQUIPMENT

## W07014299 VOLVO EC460CL 110437 - HYDRAULIC SYSTEM



**Sample No:** ML0000678  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** W07014299



### SAMPLE INFORMATION

Sample Number	<b>ML0000678</b>	VCP181444	---	---
Sample Date	<b>08 Feb 2024</b>	15 Dec 2015	---	---
Machine Hours	<b>0</b>	4194	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Not Changed</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611

### OIL CONDITION

Visc @ 40°C	cSt	<b>39.2</b>	39.69	---	---
Acid Number (AN)	mg KOH/g	<b>0.38</b>	0.458	---	---

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Particles >4µm		---	10364	---	---
Particles >6µm		---	861	---	---
Particles >14µm		---	49	---	---
ISO 4406:1999 (c)		---	21/17/13	---	---
Silicon	ppm	<b>1</b>	16	---	---
Sodium	ppm	<b>&lt;1</b>	4	---	---
Potassium	ppm	<b>0</b>	10	---	---

### Diagnosis

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 suitable for further service.

### WEAR METALS

Iron	ppm	<b>2</b>	19	---	---
Copper	ppm	<b>9</b>	9	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>&lt;1</b>	0	---	---
Aluminum	ppm	<b>&lt;1</b>	3	---	---
Chromium	ppm	<b>0</b>	1	---	---
Molybdenum	ppm	<b>&lt;1</b>	3	---	---
Nickel	ppm	<b>0</b>	<1	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>&lt;1</b>	<1	---	---
Vanadium	ppm	<b>0</b>	0	---	---

### ADDITIVES

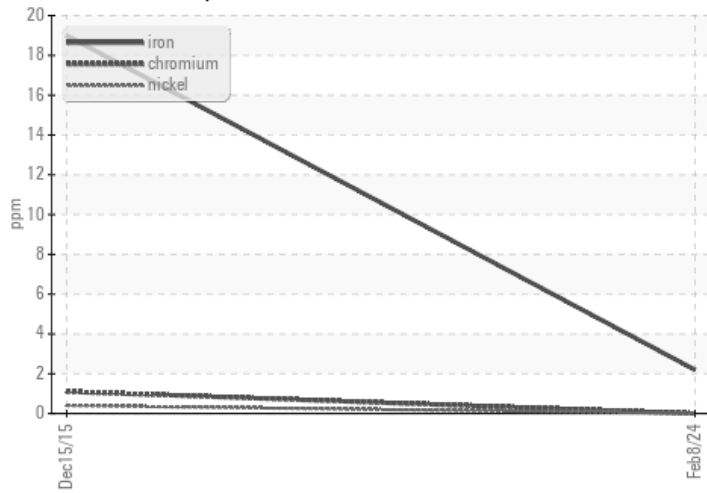
Calcium	ppm	<b>108</b>	237	---	---
Magnesium	ppm	<b>22</b>	16	---	---
Zinc	ppm	<b>415</b>	349	---	---
Phosphorus	ppm	<b>331</b>	306	---	---
Barium	ppm	<b>&lt;1</b>	0	---	---
Boron	ppm	<b>2</b>	5	---	---

**Depot:** VOLVO8882  
**Unique No:** 10874643  
**Signed:** Jonathan Hester  
**Report Date:** 14 Feb 2024

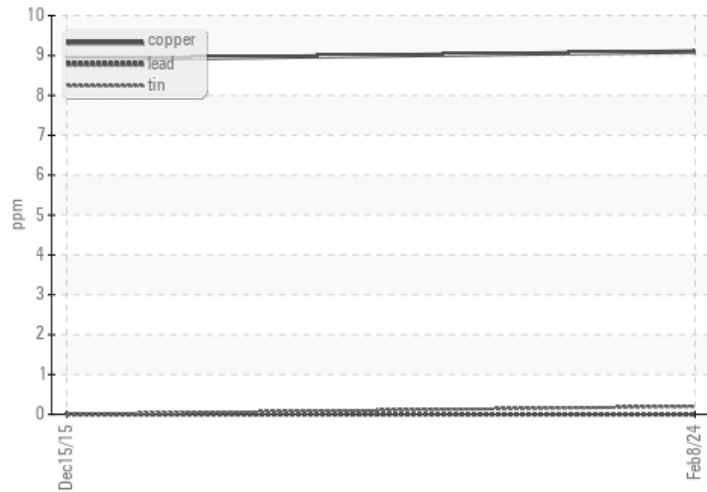


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

