



# CONSTRUCTION EQUIPMENT

13918 AM HARDWOOD VOLVO L60H 622453 - HYDRAULIC SYSTEM



**Sample No:** VCP411511  
**Oil Type:** COMPASS AW 46  
**Job No:** 13918 AM HARDWOOD



**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



## SAMPLE INFORMATION

Sample Number	VCP411511	---	---	---
Sample Date	04 Dec 2023	---	---	---
Machine Hours	7950	---	---	---
Oil Hours	4000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 41.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.31	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 491	---	---	---
Particles >6µm		█ 103	---	---	---
Particles >14µm		█ 14	---	---	---
ISO 4406:1999 (c)		16/14/11	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

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



## ADDITIVES

Calcium	ppm	46	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	373	---	---	---
Phosphorus	ppm	189	---	---	---
Barium	ppm	3	---	---	---
Boron	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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** VOLVO8882  
**Unique No:** 10779117  
**Signed:** Wes Davis  
**Report Date:** 11 Dec 2023

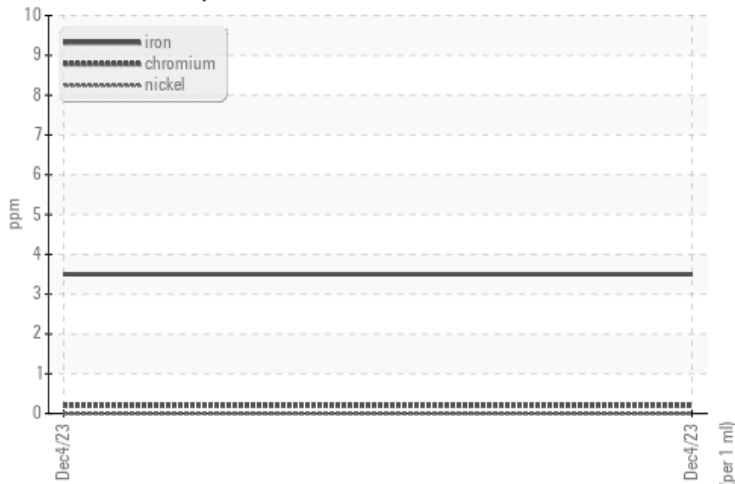


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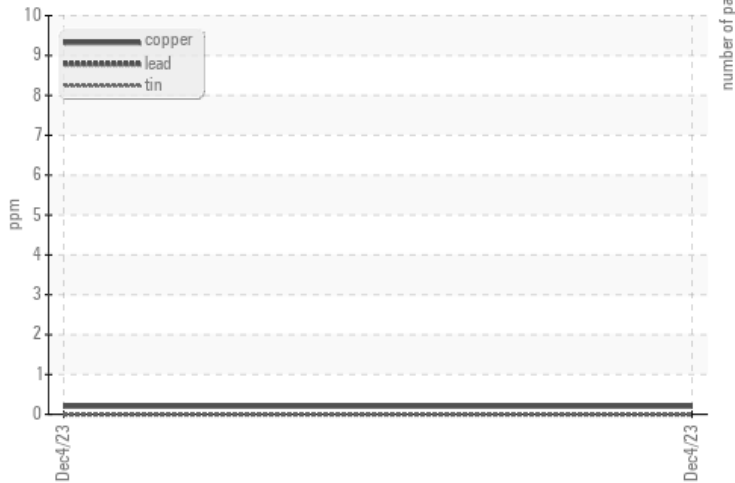


## GRAPHS

### Ferrous Alloys



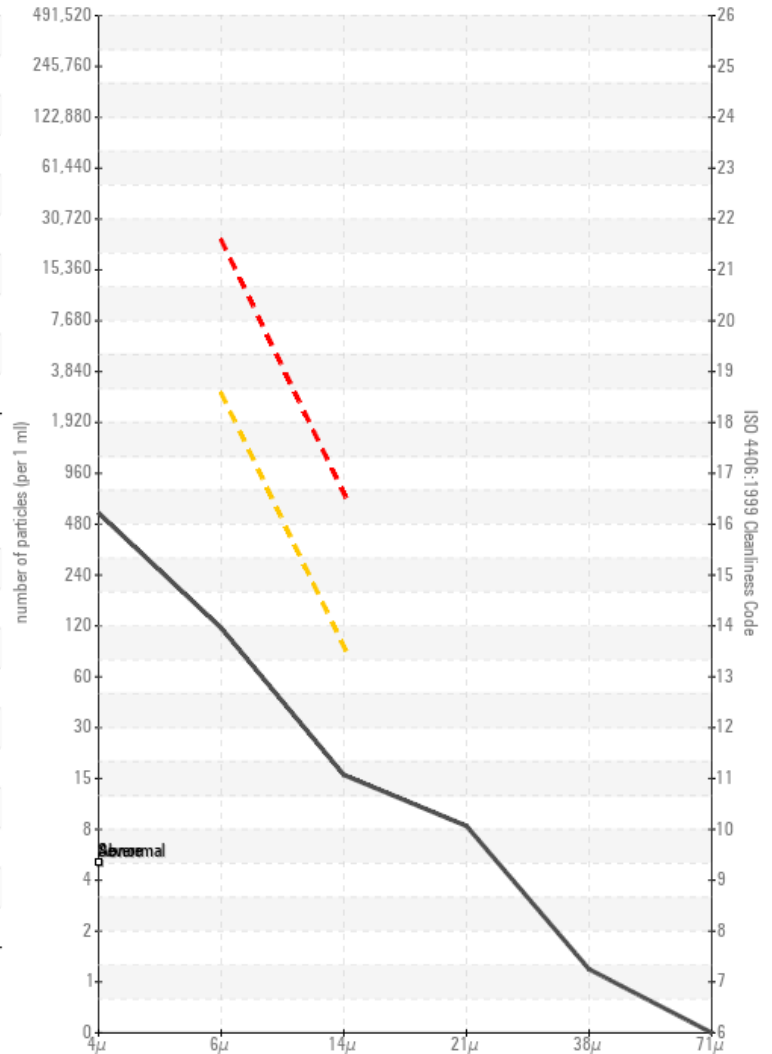
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

