



# CONSTRUCTION EQUIPMENT

66505 MIDSOUTH P VOLVO L120H VCP 414350 (S/N NOT GIVEN) - HYDRAULIC SYSTEM



**Sample No:** VCP414350  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 66505 MIDSOUTH P



## SAMPLE INFORMATION

Sample Number	VCP414350	---	---	---
Sample Date	23 Oct 2023	---	---	---
Machine Hours	9554	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

COWIN EQUIPMENT COMPANY INC - GUNTERSVILLE  
15101 ALABAMA HWY 20  
MADISON, AL  
US 35756  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 40.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.35	---	---	---

## CONTAMINATION

Particles >4µm		▲ 6313	---	---	---
Particles >6µm		▲ 1460	---	---	---
Particles >14µm		█ 86	---	---	---
ISO 4406:1999 (c)		20/18/14	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 2	---	---	---

## Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.  
All component wear rates are normal. There is a light 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 suitable for further service.

## WEAR METALS

Iron	ppm	█ 5	---	---	---
Copper	ppm	█ 3	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 116	---	---	---
Magnesium	ppm	█ 9	---	---	---
Zinc	ppm	█ 464	---	---	---
Phosphorus	ppm	█ 338	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

**Depot:** COWMAD  
**Unique No:** 10724991  
**Signed:** Wes Davis  
**Report Date:** 03 Nov 2023

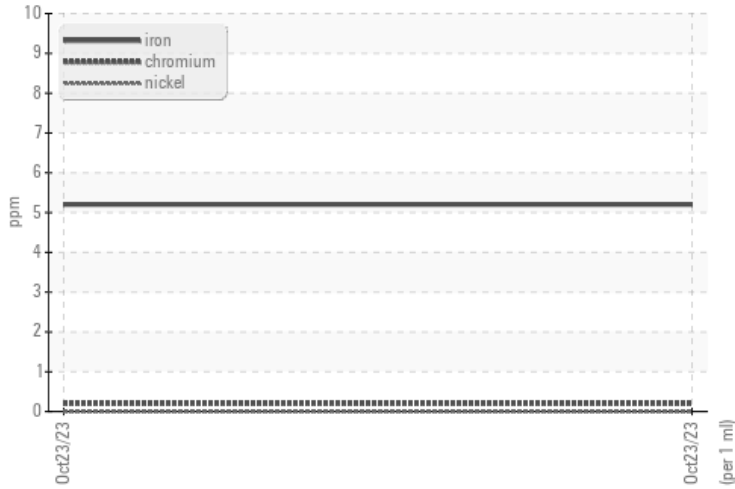


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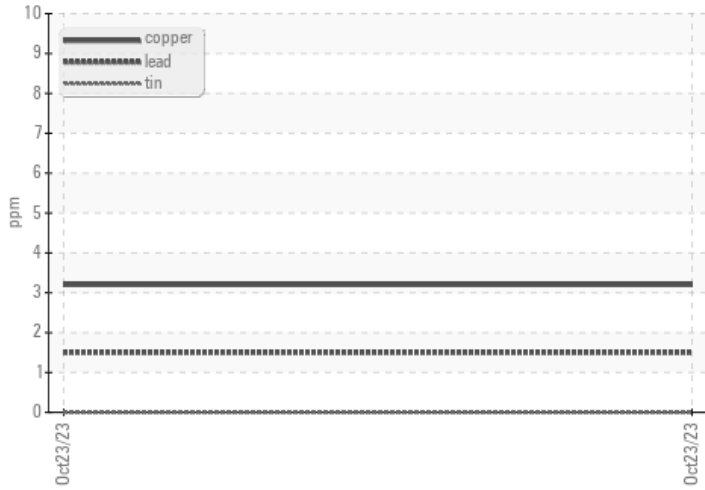


## GRAPHS

### Ferrous Alloys



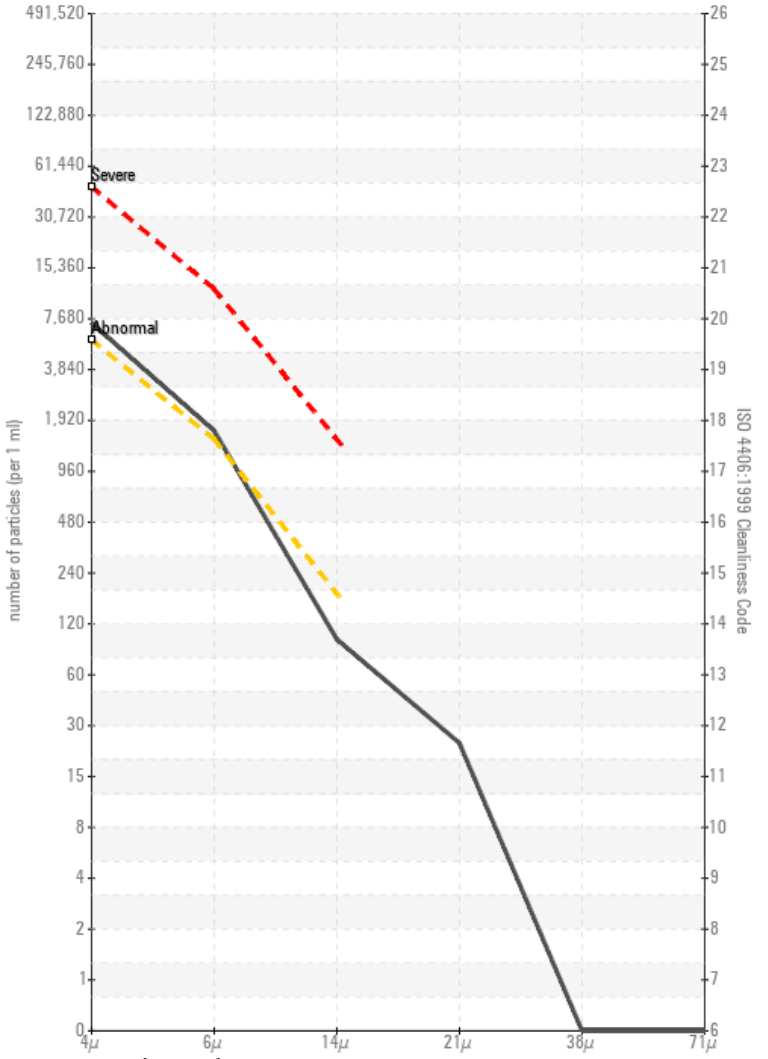
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

