



# CONSTRUCTION EQUIPMENT

499935 ATLAS VOLVO L120H 632550 - HYDRAULIC SYSTEM



**Sample No:** VCP425496  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 499935 ATLAS



## SAMPLE INFORMATION

Sample Number	VCP425496	---	---	---
Sample Date	30 Jun 2023	---	---	---
Machine Hours	7690	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 44.5	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.47	---	---	---



## CONTAMINATION

Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

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



## ADDITIVES

Calcium	ppm	█ 95	---	---	---
Magnesium	ppm	█ 18	---	---	---
Zinc	ppm	█ 477	---	---	---
Phosphorus	ppm	█ 403	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 7	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. 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.

**Depot:** VOLVO0096  
**Unique No:** 10547071  
**Signed:** Jonathan Hester  
**Report Date:** 11 Jul 2023

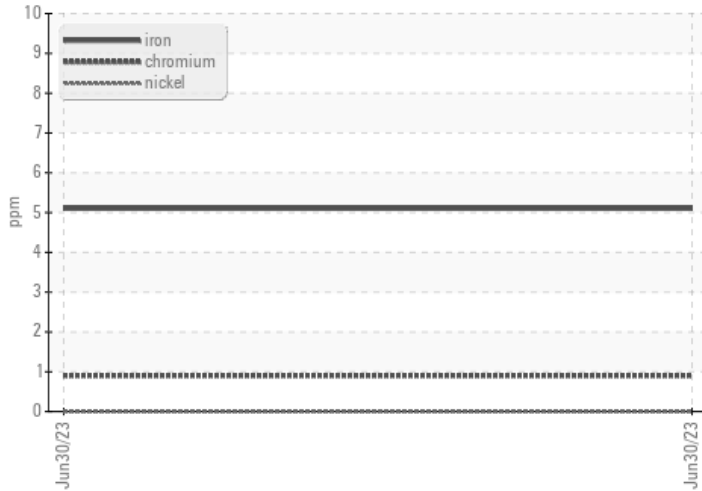


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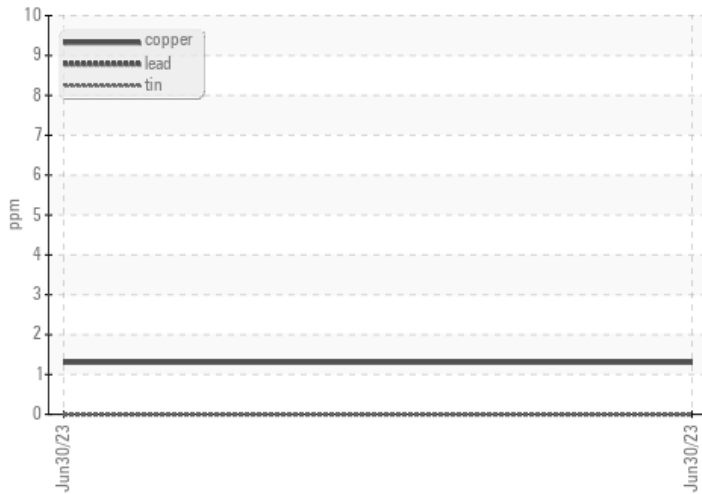


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

