



# CONSTRUCTION EQUIPMENT

## ATLAS ORGANICS VOLVO L70H 624670 - HYDRAULIC SYSTEM



**Sample No:** VCP445553  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** ATLAS ORGANICS



ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC  
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### SAMPLE INFORMATION

Sample Number	VCP445553	VCP411623	---	---
Sample Date	10 Apr 2024	18 Sep 2023	---	---
Machine Hours	3021	1489	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	█ 44.5	█ 42.0	---	---
Acid Number (AN)	mg KOH/g	█ 0.36	█ 0.32	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		---	● 8937	---	---
Particles >6µm		---	▲ 2546	---	---
Particles >14µm		---	▲ 430	---	---
ISO 4406:1999 (c)		---	20/19/16	---	---
Silicon	ppm	█ 2	█ 4	---	---
Sodium	ppm	█ <1	█ 1	---	---
Potassium	ppm	█ 1	█ <1	---	---



### WEAR METALS

Iron	ppm	█ 4	█ 10	---	---
Copper	ppm	█ <1	█ 2	---	---
Lead	ppm	█ <1	█ 2	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 0	█ 2	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ 3	█ 1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ 0	---	---
Vanadium	ppm	<1	0	---	---



### ADDITIVES

Calcium	ppm	█ 169	█ 73	---	---
Magnesium	ppm	█ 12	█ 10	---	---
Zinc	ppm	█ 493	█ 459	---	---
Phosphorus	ppm	█ 378	█ 333	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

### Diagnosis

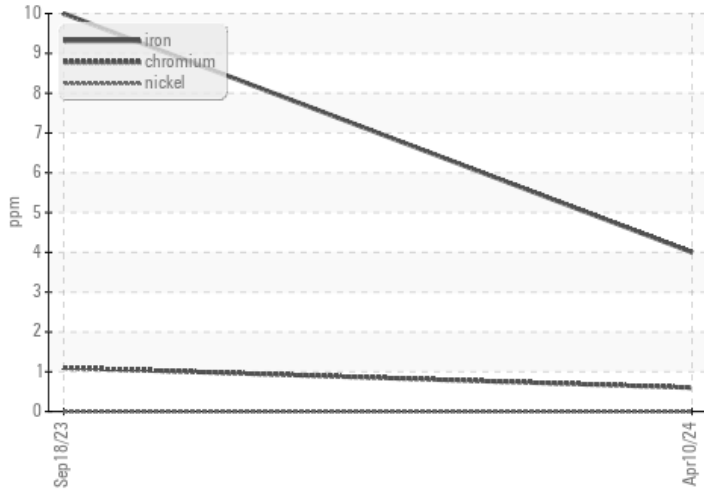
We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present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

**Depot:** VOLVO0093  
**Unique No:** 11082864  
**Signed:** Don Baldrige  
**Report Date:** 17 Jun 2024

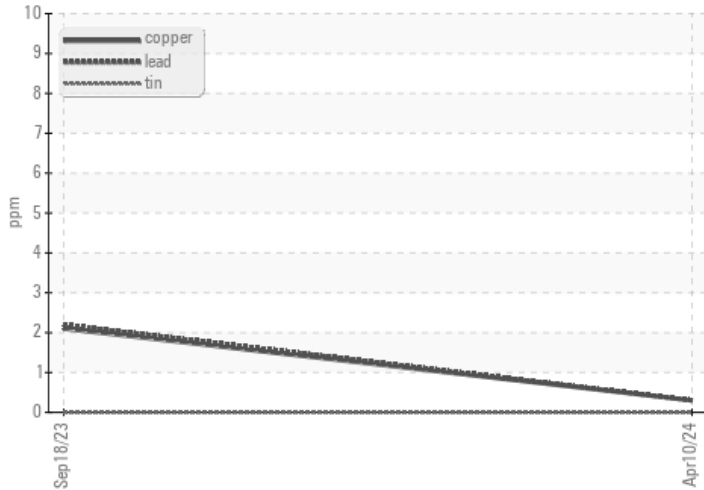


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

