



# CONSTRUCTION EQUIPMENT

620459 ATLAS ORG VOLVO L70H 623710 - HYDRAULIC SYSTEM



**Sample No:** VCP440380  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 620459 ATLAS ORG



## SAMPLE INFORMATION

Sample Number	<b>VCP440380</b>	VCP425064	---	---
Sample Date	<b>12 Oct 2023</b>	29 Jun 2023	---	---
Machine Hours	<b>8743</b>	8172	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>N/A</b>	Changed	---	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	---	---

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
 9601 BOGGY CREEK RD  
 ORLANDO, FL  
 US 32824  
 Contact: Robert LaPlante  
 robert.laplante@altg.com  
 T: (407)508-9736  
 F: (407)659-8720



## OIL CONDITION

Visc @ 40°C	cSt	<b>45.2</b>	44.7	---	---
Acid Number (AN)	mg KOH/g	<b>0.52</b>	0.51	---	---



## CONTAMINATION

Particles >4µm		<b>▲ 6527</b>	▲ 12140	---	---
Particles >6µm		<b>■ 1052</b>	■ 706	---	---
Particles >14µm		<b>■ 53</b>	■ 25	---	---
ISO 4406:1999 (c)		<b>20/17/13</b>	21/17/12	---	---
Silicon	ppm	<b>■ 1</b>	■ 2	---	---
Sodium	ppm	<b>■ 0</b>	■ 2	---	---
Potassium	ppm	<b>■ 0</b>	■ 1	---	---

## Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate 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	<b>■ 4</b>	■ 10	---	---
Copper	ppm	<b>■ &lt;1</b>	■ 1	---	---
Lead	ppm	<b>■ 0</b>	■ 0	---	---
Tin	ppm	<b>■ 0</b>	■ 0	---	---
Aluminum	ppm	<b>■ 0</b>	■ <1	---	---
Chromium	ppm	<b>■ 0</b>	■ 0	---	---
Molybdenum	ppm	<b>■ 4</b>	■ 5	---	---
Nickel	ppm	<b>■ 0</b>	■ 0	---	---
Titanium	ppm	<b>0</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>■ 0</b>	■ <1	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



## ADDITIVES

Calcium	ppm	<b>■ 178</b>	■ 201	---	---
Magnesium	ppm	<b>■ 16</b>	■ 31	---	---
Zinc	ppm	<b>■ 491</b>	■ 508	---	---
Phosphorus	ppm	<b>■ 390</b>	■ 444	---	---
Barium	ppm	<b>■ 0</b>	■ <1	---	---
Boron	ppm	<b>■ 14</b>	■ 15	---	---

**Depot:** VOLVO0096  
**Unique No:** 10698469  
**Signed:** Don Baldrige  
**Report Date:** 19 Oct 2023



# CONSTRUCTION EQUIPMENT



## VOLVO GRAPHS

