



# CONSTRUCTION EQUIPMENT

## 607956 ASH GROVE VOLVO A40G 352940 - HYDRAULIC SYSTEM



**Sample No:** VCP440294  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 607956 ASH GROVE



### SAMPLE INFORMATION

Sample Number	<b>VCP440294</b>	VCP411709	VCP399003	VCP382996
Sample Date	<b>26 Sep 2023</b>	30 May 2023	20 Dec 2022	02 Nov 2022
Machine Hours	<b>6962</b>	5463	3441	3014
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

**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>50.0</b>	53.0	43.5	43.4
Acid Number (AN)	mg KOH/g	<b>0.54</b>	0.73	0.33	0.35



### CONTAMINATION

Particles >4µm		---	1370	2627	3203
Particles >6µm		---	193	418	440
Particles >14µm		---	14	26	49
ISO 4406:1999 (c)		---	18/15/11	19/16/12	19/16/13
Silicon	ppm	<b>4</b>	7	4	4
Sodium	ppm	<b>&lt;1</b>	0	<1	<1
Potassium	ppm	<b>0</b>	1	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 metal particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. No other contaminants were detected in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>5</b>	6	6	6
Copper	ppm	<b>1</b>	2	2	2
Lead	ppm	<b>1</b>	1	1	1
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>0</b>	<1	<1	<1
Molybdenum	ppm	<b>1</b>	2	0	0
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	0	0	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>610</b>	1103	69	60
Magnesium	ppm	<b>12</b>	12	<1	0
Zinc	ppm	<b>545</b>	680	438	403
Phosphorus	ppm	<b>454</b>	522	346	330
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** VOLVO0096  
**Unique No:** 10671854  
**Signed:** Don Baldrige  
**Report Date:** 02 Oct 2023

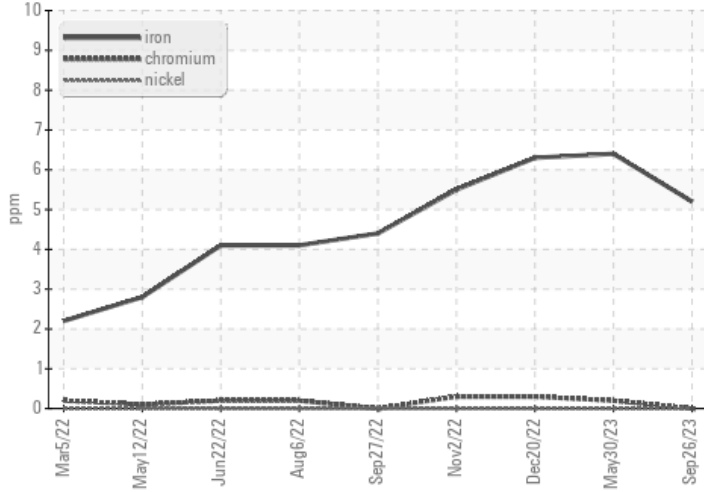


# CONSTRUCTION EQUIPMENT

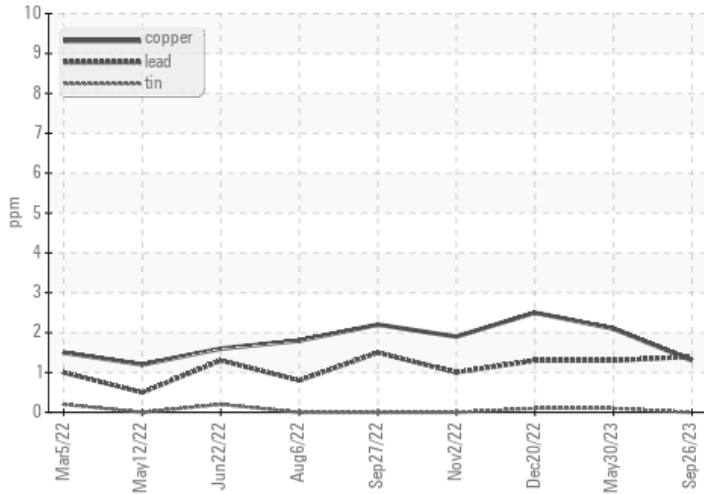


## GRAPHS

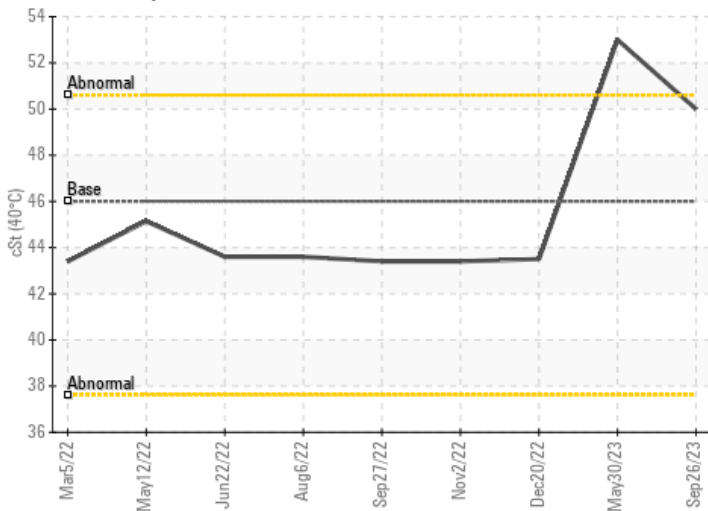
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Acid Number

