



# CONSTRUCTION EQUIPMENT

## W07013790 VOLVO A40G 341644 - HYDRAULIC SYSTEM



**Sample No:** VCP412637  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** W07013790



### SAMPLE INFORMATION

Sample Number	<b>VCP412637</b>	VCP420339	---	---
Sample Date	<b>15 Nov 2023</b>	12 Jun 2023	---	---
Machine Hours	<b>6757</b>	6003	---	---
Oil Hours	<b>0</b>	2000	---	---
Oil Changed	<b>N/A</b>	Changed	---	---
Sample Status	<b>NORMAL</b>	ATTENTION	---	---

**MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND**  
 1345 MOUNTAIN ROAD  
 GLEN ALLEN, VA  
 US 23060  
 Contact: KYLE RATLIFFE  
 KRATLIFFE@MCCLUNG-LOGAN.COM  
 T:  
 F: (804)266-1611



### OIL CONDITION

Visc @ 40°C	cSt	<b>39.0</b>	38.9	---	---
Acid Number (AN)	mg KOH/g	<b>0.46</b>	0.48	---	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Particles >4µm		<b>1933</b>	51788	---	---
Particles >6µm		<b>419</b>	6368	---	---
Particles >14µm		<b>23</b>	92	---	---
ISO 4406:1999 (c)		<b>18/16/12</b>	23/20/14	---	---
Silicon	ppm	<b>10</b>	10	---	---
Sodium	ppm	<b>3</b>	0	---	---
Potassium	ppm	<b>0</b>	2	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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>15</b>	15	---	---
Copper	ppm	<b>13</b>	13	---	---
Lead	ppm	<b>3</b>	4	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>4</b>	3	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>0</b>	<1	---	---
Nickel	ppm	<b>0</b>	<1	---	---
Titanium	ppm	<b>&lt;1</b>	<1	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>&lt;1</b>	<1	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>97</b>	305	---	---
Magnesium	ppm	<b>0</b>	6	---	---
Zinc	ppm	<b>422</b>	518	---	---
Phosphorus	ppm	<b>320</b>	384	---	---
Barium	ppm	<b>0</b>	2	---	---
Boron	ppm	<b>0</b>	1	---	---

**Depot:** VOLVO8882  
**Unique No:** 10751449  
**Signed:** Don Baldrige  
**Report Date:** 22 Nov 2023

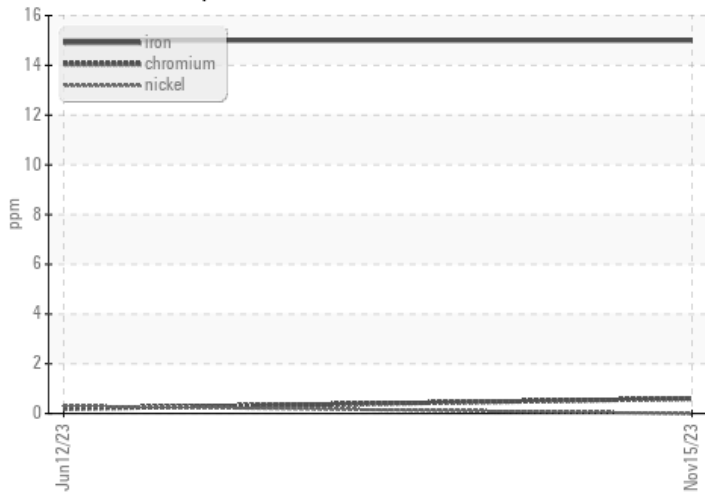


# CONSTRUCTION EQUIPMENT

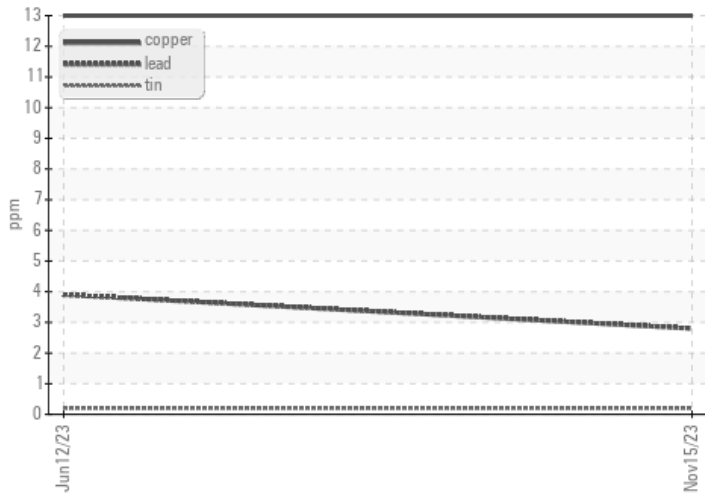


## GRAPHS

### Ferrous Alloys



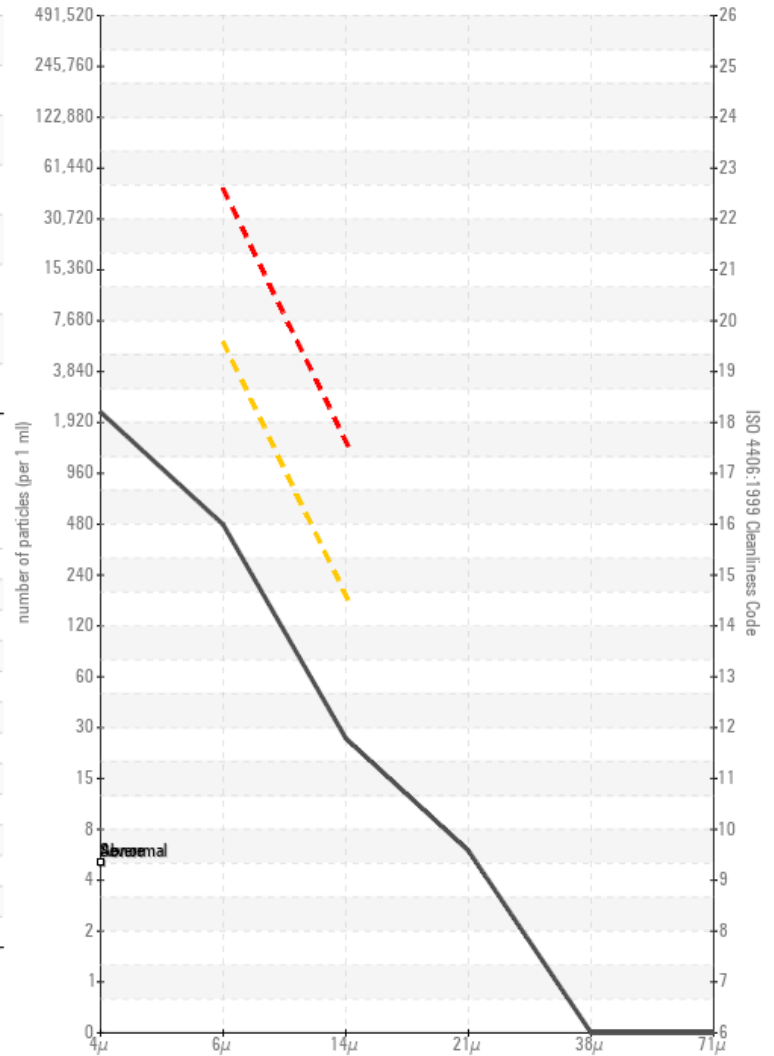
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

