



# CONSTRUCTION EQUIPMENT

8-371266 VOLVO A40G 353346 - HYDRAULIC SYSTEM



**Sample No:** VCP297691  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** 8-371266



## SAMPLE INFORMATION

Sample Number	VCP297691	---	---	---
Sample Date	07 Jul 2023	---	---	---
Machine Hours	1098	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

### STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD  
MISSISSAUGA, ON  
CA L4W 4L4

Contact: Jason Roth  
JRoth2@strongco.com  
T: (905)670-5100  
F: (905)670-2338



## OIL CONDITION

Visc @ 40°C	cSt	█ 42.8	---	---	---
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## CONTAMINATION

Particles >4µm		█ 21138	---	---	---
Particles >6µm		▲ 7321	---	---	---
Particles >14µm		▲ 508	---	---	---
ISO 4406:1999 (c)		█ 22/20/16	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



## WEAR METALS

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



## ADDITIVES

Calcium	ppm	█ 59	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 422	---	---	---
Phosphorus	ppm	█ 359	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

**Depot:** SHEMIS  
**Unique No:** 5605867  
**Signed:** Wes Davis  
**Report Date:** 11 Jul 2023

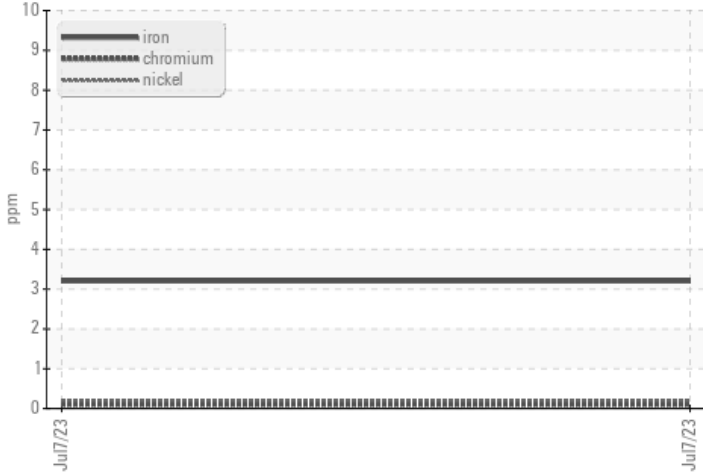


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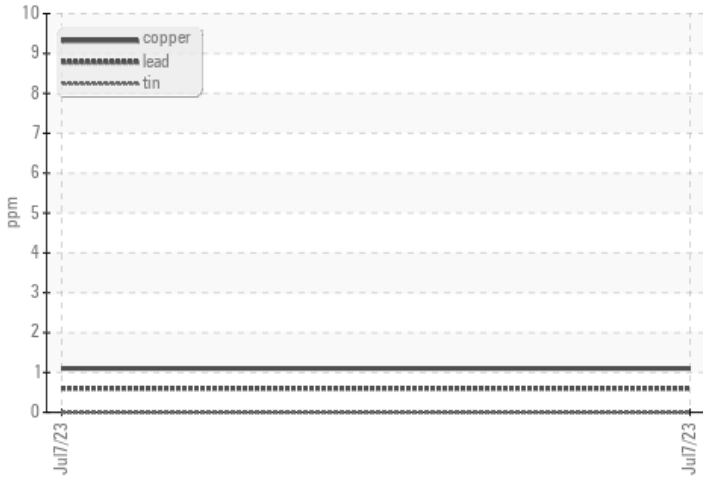


## VOLVO GRAPHS

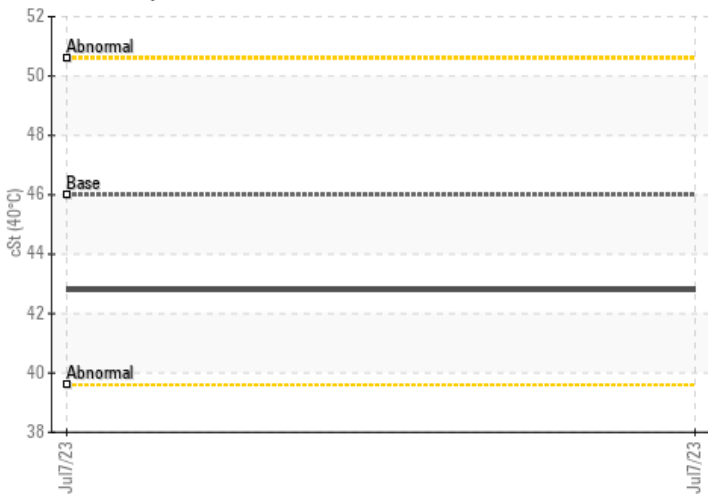
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

