



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 353407 - HYDRAULIC SYSTEM



**Sample No:** VCP447456

**Oil Type:** MOBIL 10W

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP447456	VCP435155	VCP341895	VCP312570
Sample Date	06 Jun 2024	02 Apr 2024	14 Dec 2023	03 Oct 2023
Machine Hours	2148	1644	997	504
Oil Hours	1751	1247	997	504
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL

**SCHILDBERG CONSTRUCTION COMPANY**  
 PO BOX 358  
 GREENFIELD, IA  
 US 50849  
 Contact: SCOTT ARMSTRONG  
 sarmstrong@schildberg.com  
 T: (641)743-8237  
 F: (641)743-2486



### OIL CONDITION

Visc @ 40°C	cSt	42.5	43.2	43.2	43.2
Acid Number (AN)	mg KOH/g	0.32	0.39	0.38	0.41



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		13946	---	---	---
Particles >6µm		4090	---	---	---
Particles >14µm		91	---	---	---
ISO 4406:1999 (c)		21/19/14	---	---	---
Silicon	ppm	6	5	4	5
Sodium	ppm	<1	3	<1	<1
Potassium	ppm	<1	2	0	0

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	5	2	2	6
Copper	ppm	2	2	1	2
Lead	ppm	2	1	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	0	0	0
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	0
Vanadium	ppm	0	0	0	0



### ADDITIVES

Calcium	ppm	49	61	73	69
Magnesium	ppm	<1	<1	0	0
Zinc	ppm	445	427	439	420
Phosphorus	ppm	338	339	333	328
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

**Depot:** SCHGRE  
**Unique No:** 11084400  
**Signed:** Don Baldrige  
**Report Date:** 18 Jun 2024

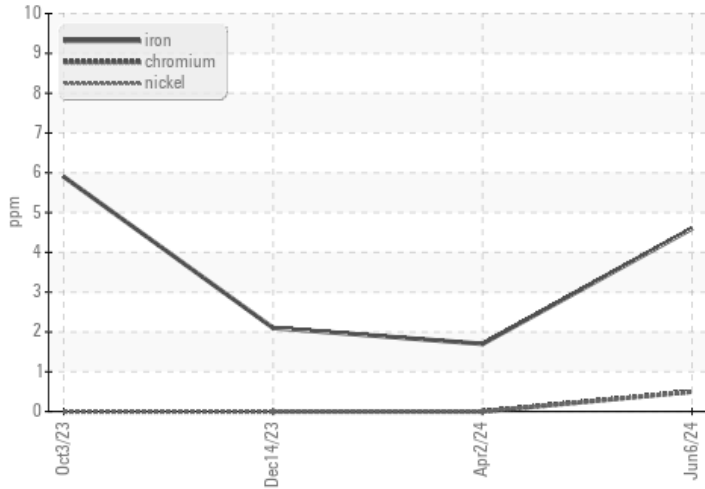


# CONSTRUCTION EQUIPMENT

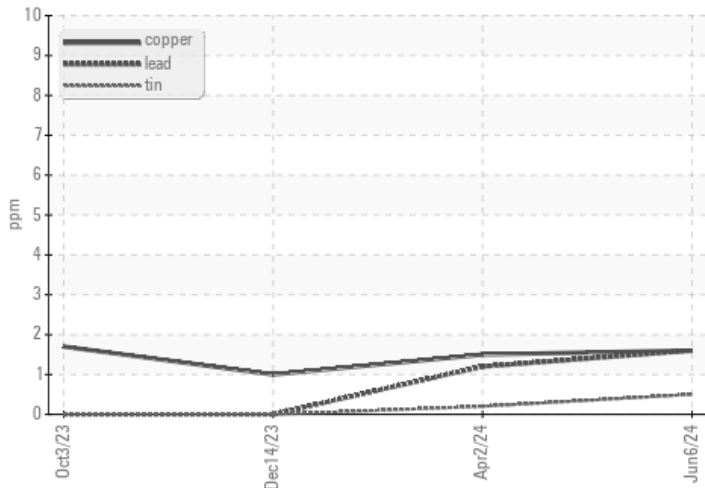


## GRAPHS

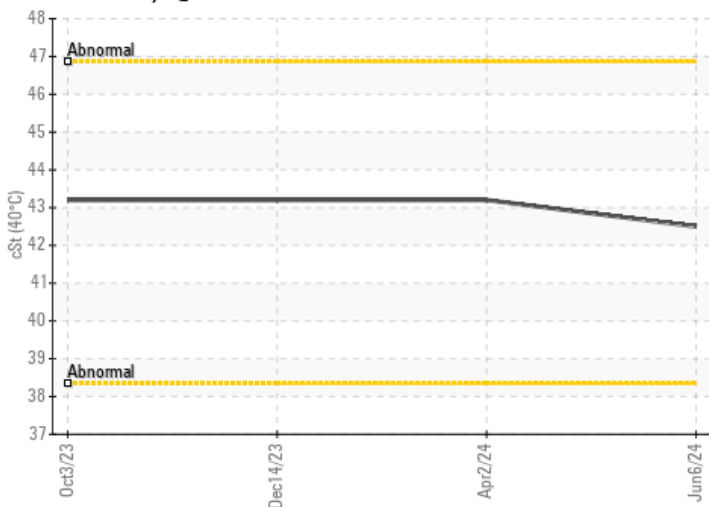
### Ferrous Alloys



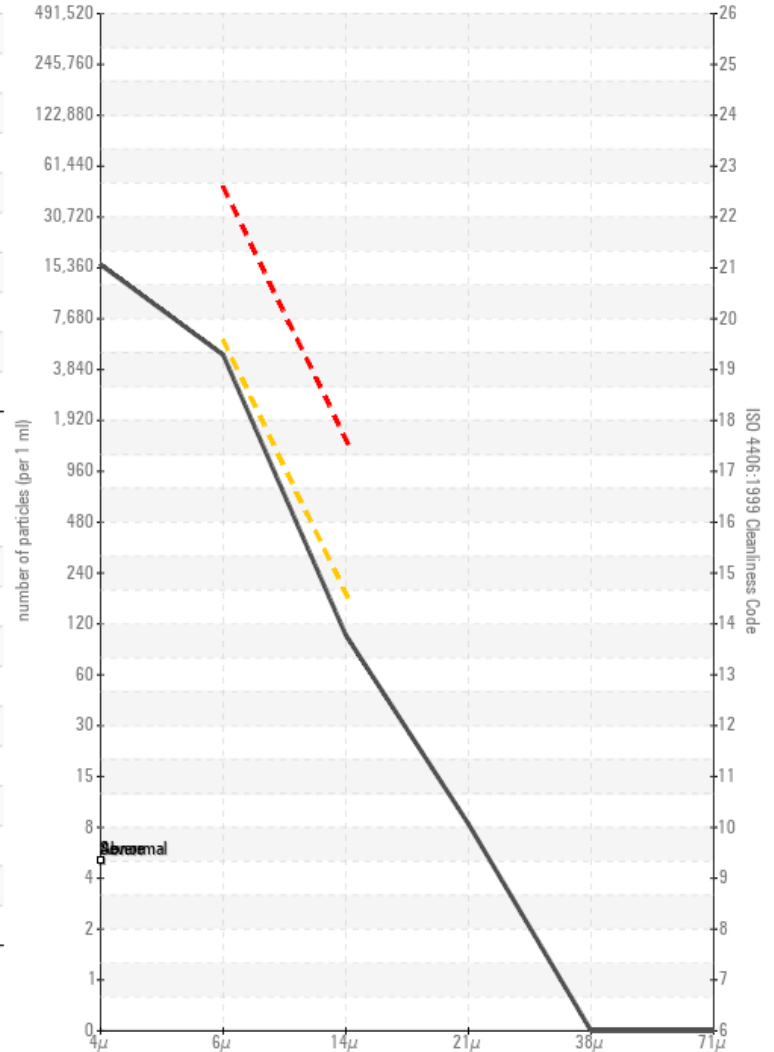
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

