



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342610 - HYDRAULIC SYSTEM



**Sample No:** VCP339700

**Oil Type:** MOBIL 10W

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP339700	VCP362647	VCP406471	VCP398292
Sample Date	04 Dec 2023	24 Oct 2023	13 Jul 2023	27 Apr 2023
Machine Hours	10786	10504	9910	9441
Oil Hours	2020	1738	1144	675
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL



**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	39.8	39.9	39.64	39.8
Acid Number (AN)	mg KOH/g	1.11	0.93	1.16	1.02



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		2196	28374	13398	16314
Particles >6µm		486	10019	3949	3765
Particles >14µm		34	685	142	114
ISO 4406:1999 (c)		18/16/12	22/21/17	21/19/14	21/19/14
Silicon	ppm	15	15	14	15
Sodium	ppm	4	4	3	4
Potassium	ppm	0	<1	0	0

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	3	3	4	4
Copper	ppm	2	1	<1	2
Lead	ppm	1	1	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	3	3	3	2
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	3	2	3	3
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



### ADDITIVES

Calcium	ppm	2773	2797	3058	2919
Magnesium	ppm	21	28	31	30
Zinc	ppm	975	1008	1057	1018
Phosphorus	ppm	838	830	849	822
Barium	ppm	0	0	0	0
Boron	ppm	2	3	2	3

**Depot:** SCHGRE  
**Unique No:** 10783231  
**Signed:** Don Baldrige  
**Report Date:** 17 Dec 2023

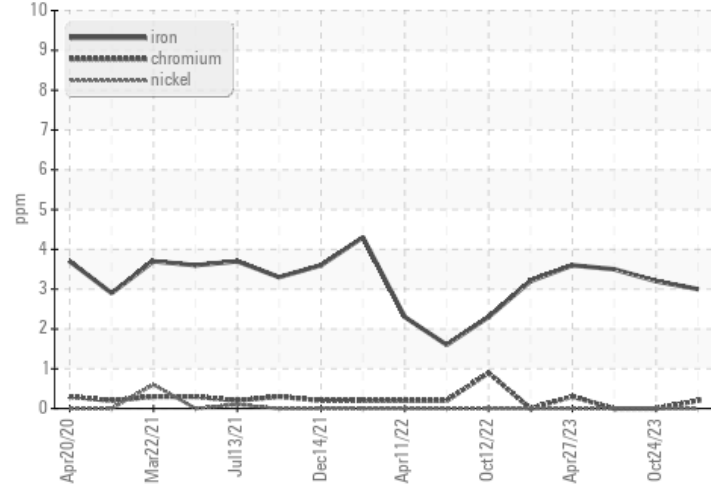


# CONSTRUCTION EQUIPMENT

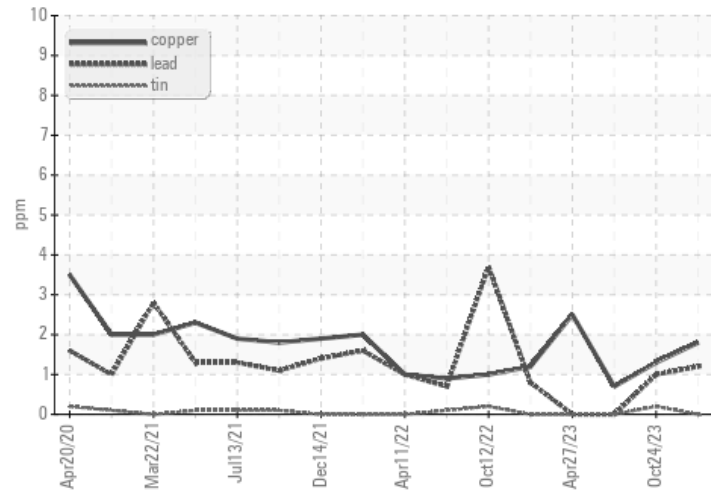


## GRAPHS

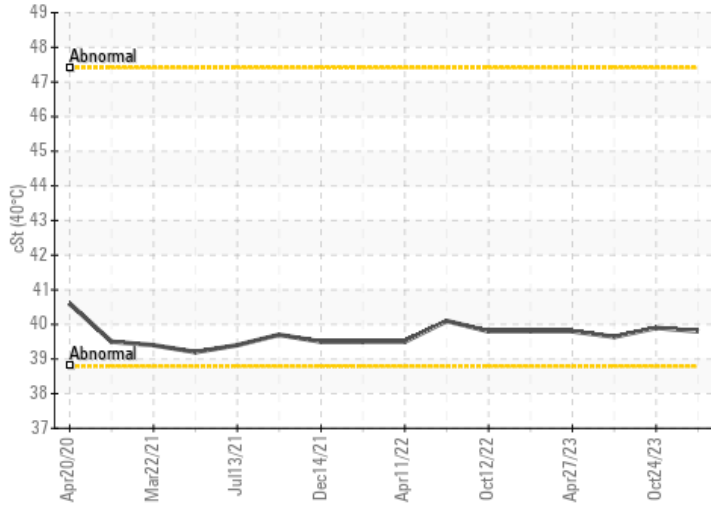
### Ferrous Alloys



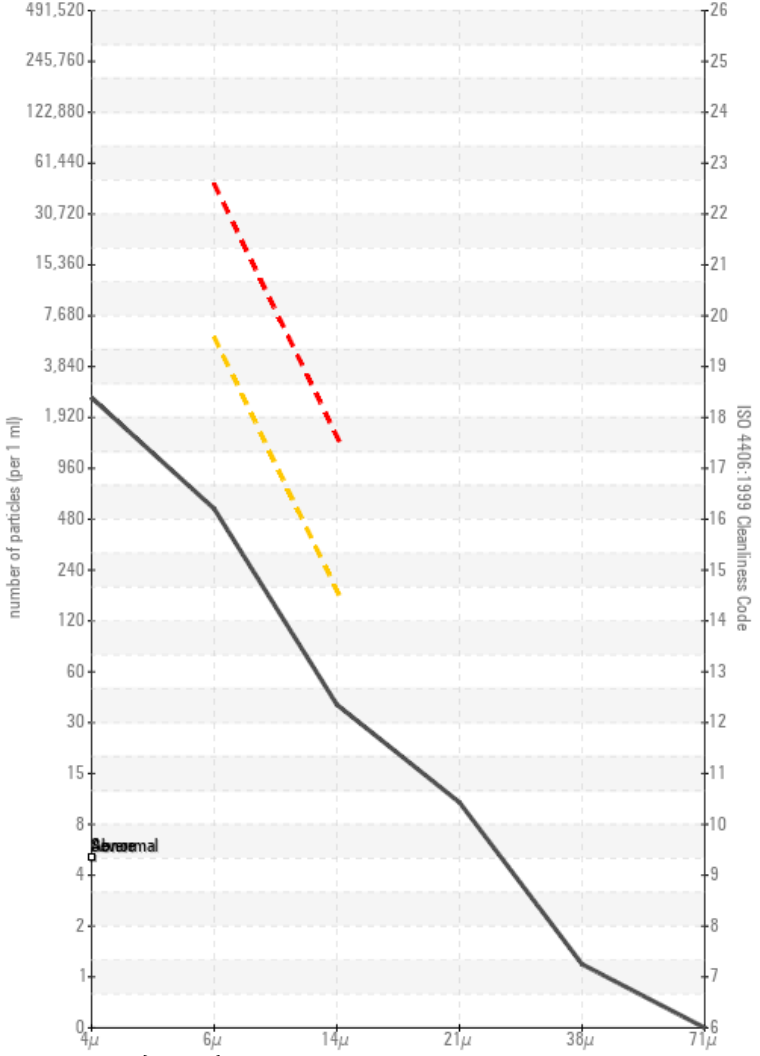
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

