



# CONSTRUCTION EQUIPMENT

## 2808 VOLVO A40G 342658 - HYDRAULIC SYSTEM



**Sample No:** VCP312843

**Oil Type:** MOBIL 10W

**Job No:** 2808



### SAMPLE INFORMATION

Sample Number	VCP312843	VCP339697	VCP402331	VCP385247
Sample Date	11 Dec 2023	03 Oct 2023	13 Jul 2023	06 Mar 2023
Machine Hours	9899	9447	8893	8373
Oil Hours	452	2158	1604	1084
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	ATTENTION	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	39.6	39.4	40.0	39.1
Acid Number (AN)	mg KOH/g	1.05	1.16	1.11	1.14



### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5244	---	53516	128695
Particles >6µm		1887	---	17974	51721
Particles >14µm		186	---	1041	2494
ISO 4406:1999 (c)		20/18/15	---	23/21/17	24/23/18
Silicon	ppm	13	14	13	17
Sodium	ppm	3	3	2	3
Potassium	ppm	0	0	0	0

### Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of particulates present 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	2	3	3	4
Copper	ppm	<1	<1	0	<1
Lead	ppm	0	<1	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	1	2	2	4
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	2	2	2	2
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0



### ADDITIVES

Calcium	ppm	3098	2952	3096	2664
Magnesium	ppm	25	24	29	22
Zinc	ppm	1041	1004	1061	1003
Phosphorus	ppm	869	835	855	755
Barium	ppm	0	0	0	0
Boron	ppm	2	2	1	<1

**Depot:** SCHGRE  
**Unique No:** 10806695  
**Signed:** Don Baldrige  
**Report Date:** 28 Dec 2023

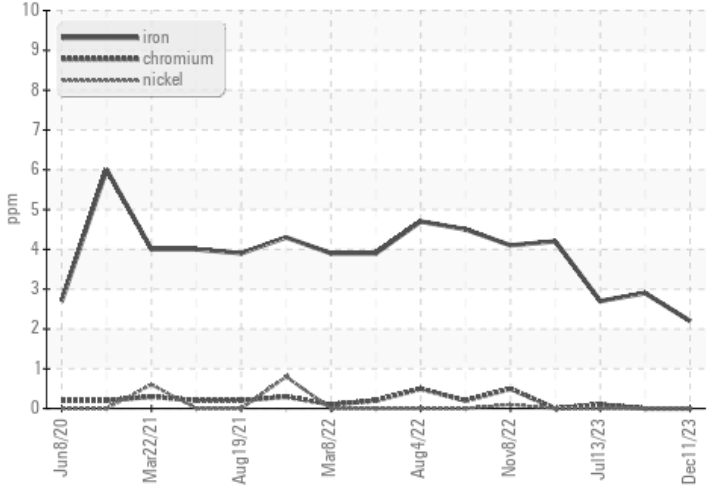


# CONSTRUCTION EQUIPMENT

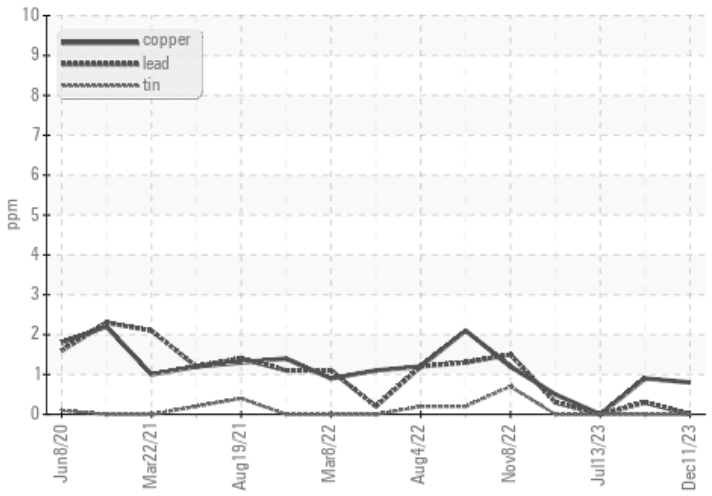


## GRAPHS

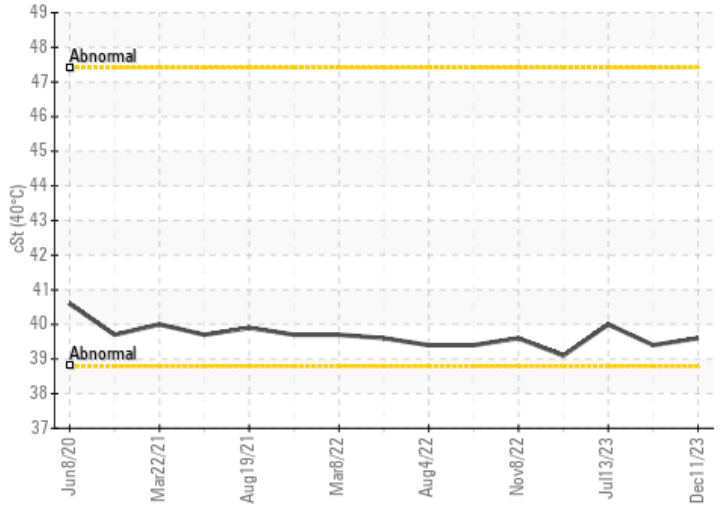
Ferrous Alloys



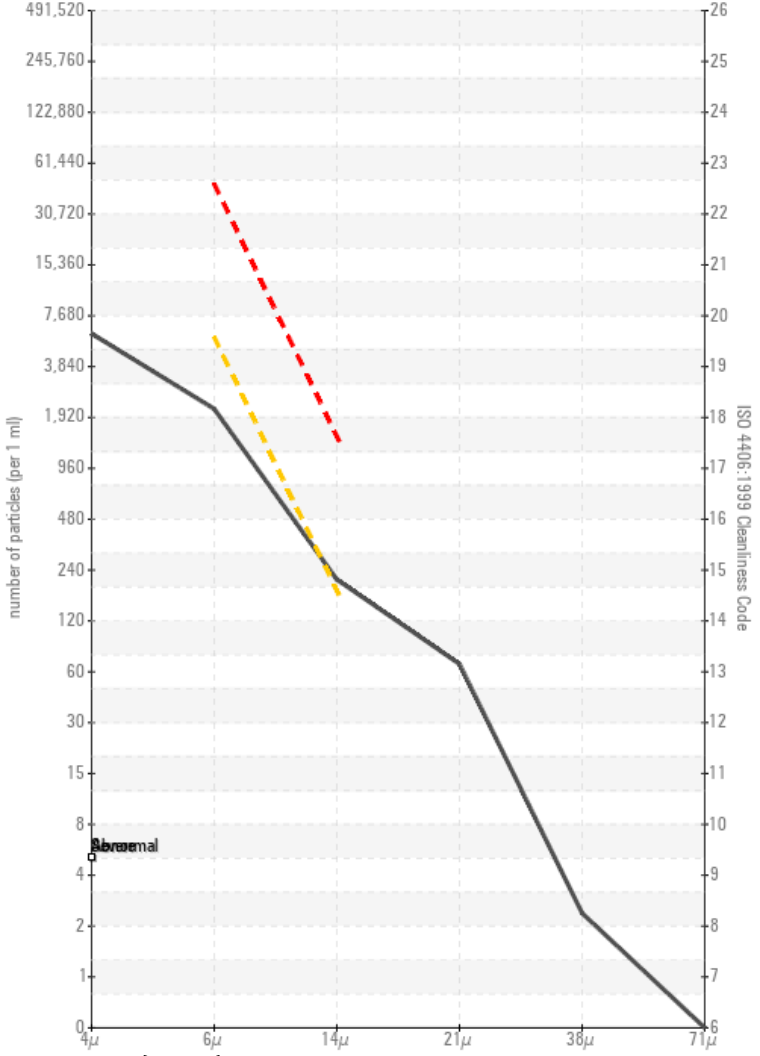
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

