



CONSTRUCTION EQUIPMENT

VOLVO A40G 342373 - HYDRAULIC SYSTEM



Sample No: VCP400062

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP400062	VCP404900	VCP385074	VCP366925
Sample Date	19 Jul 2023	02 May 2023	13 Feb 2023	31 Oct 2022
Machine Hours	11379	10860	10345	9831
Oil Hours	1034	515	2115	1601
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ABNORMAL	ABNORMAL	ATTENTION	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	39.9	40.1	41.1	39.4
Acid Number (AN)	mg KOH/g	1.18	0.98	1.22	1.42



CONTAMINATION

Particles >4µm		20600	34188	8688	13076
Particles >6µm		7535	9512	2959	2898
Particles >14µm		762	386	217	154
ISO 4406:1999 (c)		22/20/17	22/20/16	20/19/15	21/19/14
Silicon	ppm	14	15	15	12
Sodium	ppm	2	4	5	4
Potassium	ppm	0	0	0	0

Diagnosis

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



ADDITIVES

Calcium	ppm	3034	2921	2485	2635
Magnesium	ppm	30	28	19	19
Zinc	ppm	1059	1034	937	1031
Phosphorus	ppm	844	842	754	786
Barium	ppm	0	0	0	0
Boron	ppm	2	3	0	3

Depot: SCHGRE
Unique No: 10586386
Signed: Jonathan Hester
Report Date: 04 Aug 2023

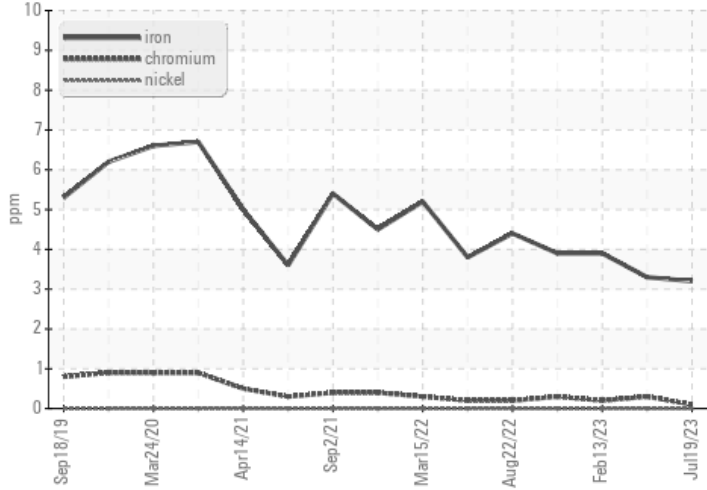


CONSTRUCTION EQUIPMENT

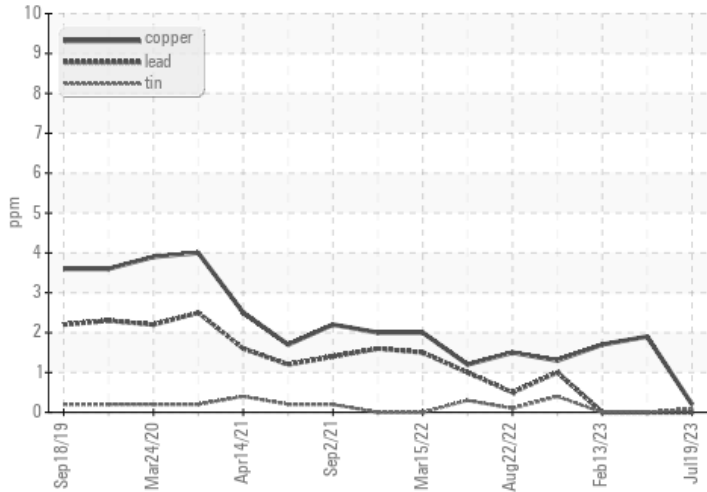


VOLVO GRAPHS

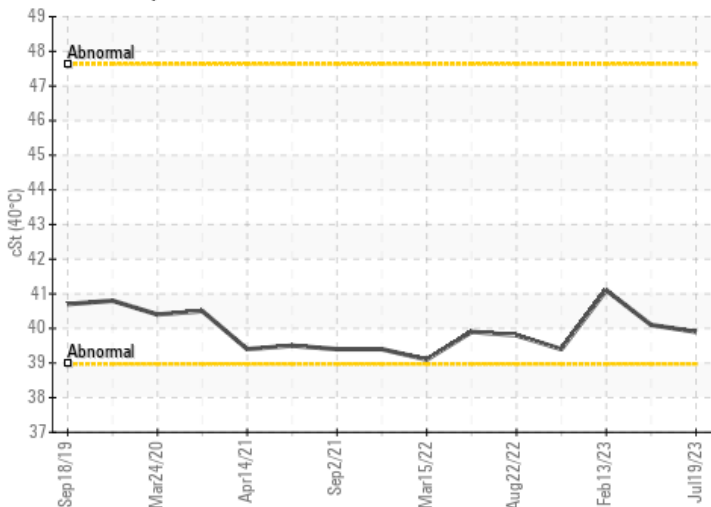
Ferrous Alloys



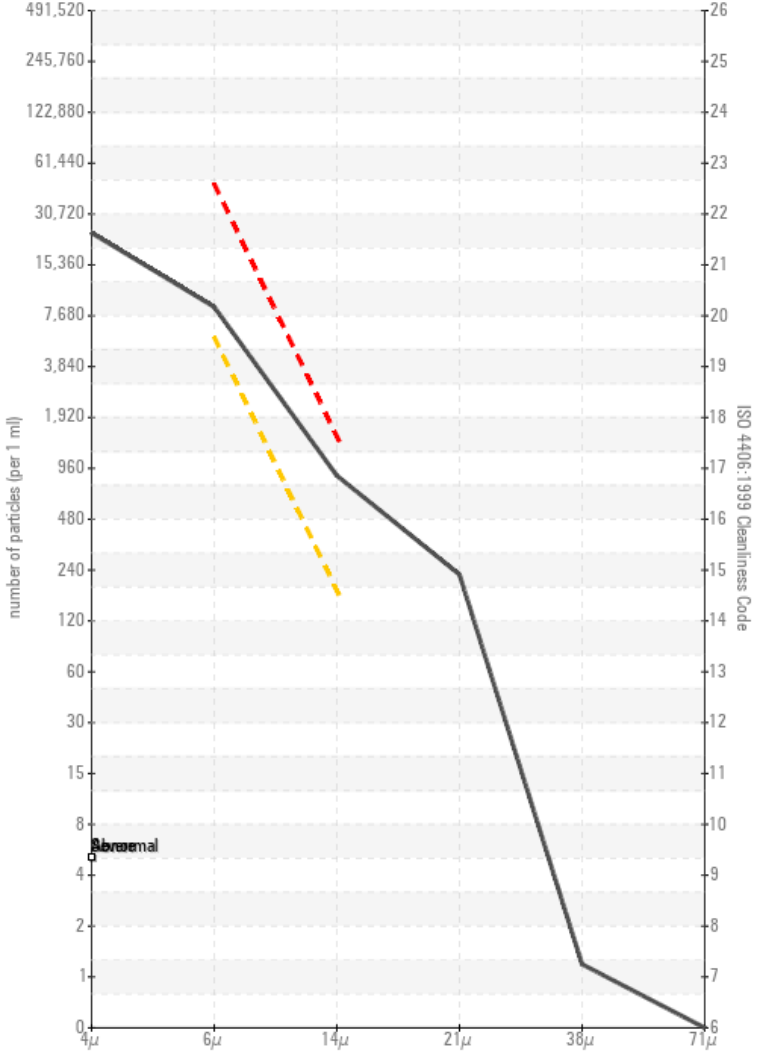
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

