



CONSTRUCTION EQUIPMENT

VOLVO A40G 341476 - HYDRAULIC SYSTEM



Sample No: VCP400067

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP400067	VCP384416	VCP373803	VCP342166
Sample Date	20 Jun 2023	27 Mar 2023	09 Jan 2023	16 Sep 2022
Machine Hours	16355	15742	15295	14679
Oil Hours	1060	447	1806	1190
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	ATTENTION	NORMAL	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	39.7	39.6	39.4	39.6
Acid Number (AN)	mg KOH/g	1.17	1.40	1.21	1.27



CONTAMINATION

Particles >4µm		9208	2401	25675	21644
Particles >6µm		2979	593	2556	2594
Particles >14µm		304	23	46	50
ISO 4406:1999 (c)		20/19/15	18/16/12	22/19/13	22/19/13
Silicon	ppm	15	15	19	13
Sodium	ppm	4	2	2	1
Potassium	ppm	2	2	2	2



WEAR METALS

Iron	ppm	4	4	4	3
Copper	ppm	2	2	2	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	5	2	4	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	3	2	3	3
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3318	3036	3054	3068
Magnesium	ppm	30	27	27	25
Zinc	ppm	1267	1145	1150	1121
Phosphorus	ppm	1004	930	944	927
Barium	ppm	0	0	1	2
Boron	ppm	2	2	3	3

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 silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: SCHGRE
Unique No: 10545866
Signed: Don Baldrige
Report Date: 07 Jul 2023

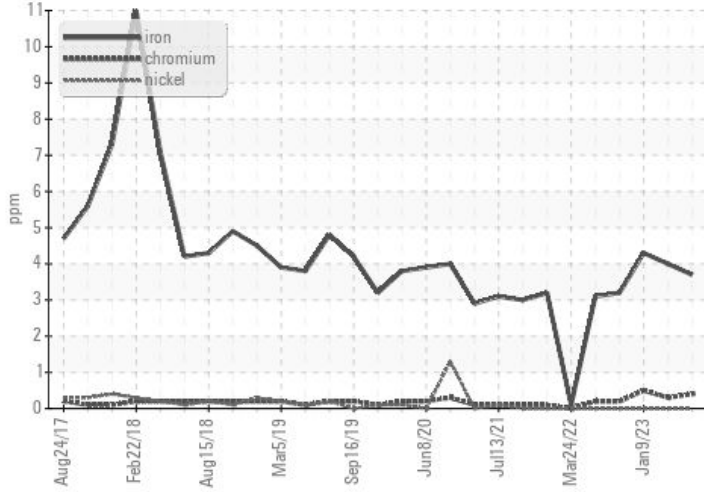


CONSTRUCTION EQUIPMENT

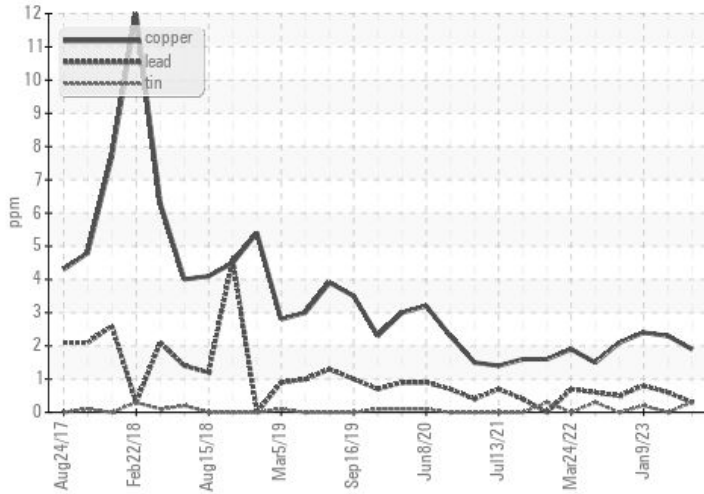


GRAPHS

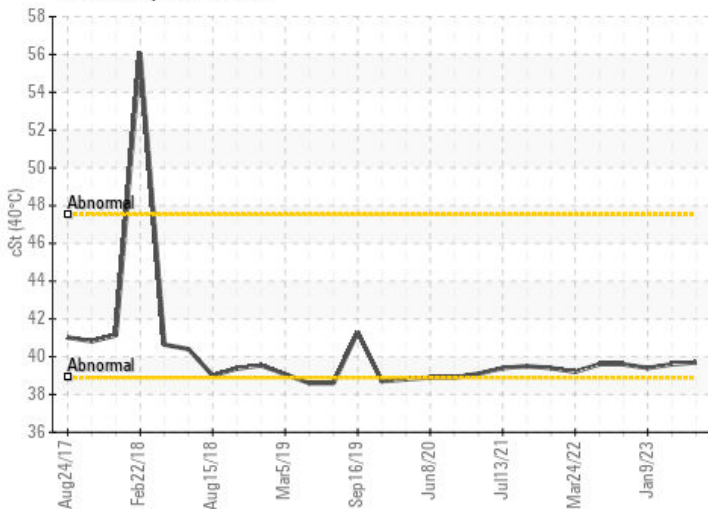
Ferrous Alloys



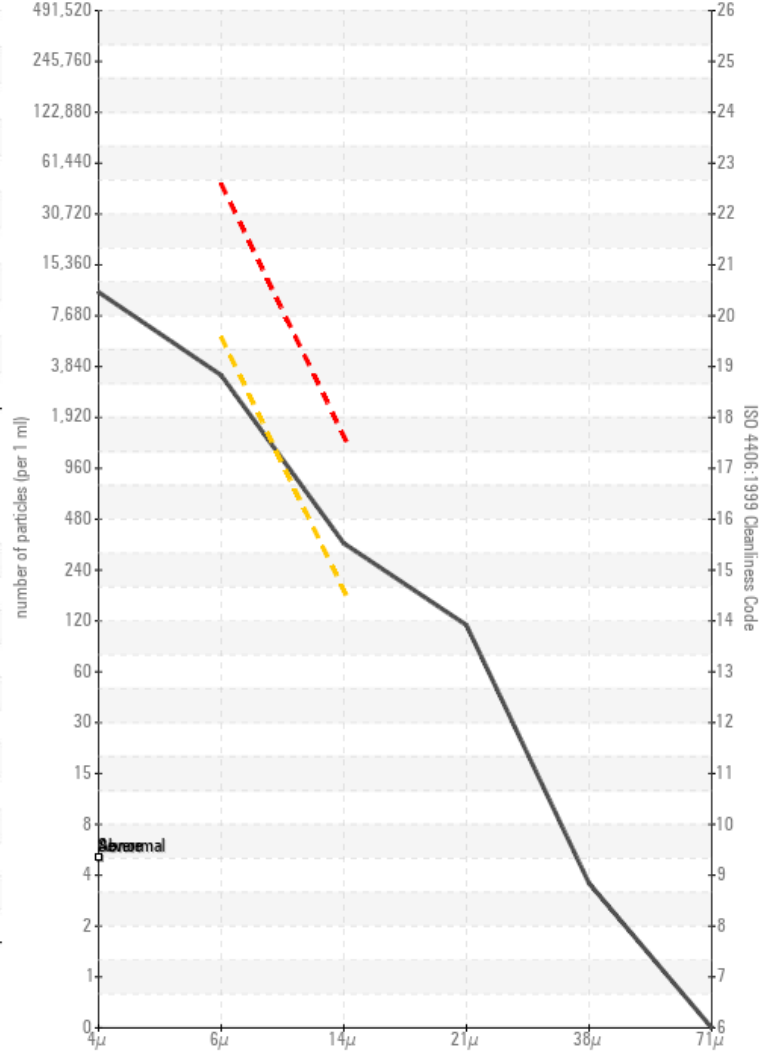
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

