



CONSTRUCTION EQUIPMENT

VOLVO A40G 342373 - HYDRAULIC SYSTEM



Sample No: VCP339741

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP339741	VCP400062	VCP404900	VCP385074
Sample Date	09 Oct 2023	19 Jul 2023	02 May 2023	13 Feb 2023
Machine Hours	11957	11379	10860	10345
Oil Hours	1612	1034	515	2115
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ATTENTION

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	39.9	40.1	41.1
Acid Number (AN)	mg KOH/g	1.16	1.18	0.98	1.22



CONTAMINATION

Particles >4µm		11558	20600	34188	8688
Particles >6µm		2773	7535	9512	2959
Particles >14µm		129	762	386	217
ISO 4406:1999 (c)		21/19/14	22/20/17	22/20/16	20/19/15
Silicon	ppm	15	14	15	15
Sodium	ppm	4	2	4	5
Potassium	ppm	0	0	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	3	3	3	4
Copper	ppm	1	<1	2	2
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	2	3	1	3
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	2	2	2	1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2873	3034	2921	2485
Magnesium	ppm	24	30	28	19
Zinc	ppm	1015	1059	1034	937
Phosphorus	ppm	837	844	842	754
Barium	ppm	0	0	0	0
Boron	ppm	2	2	3	0

Depot: SCHGRE
Unique No: 10700834
Signed: Wes Davis
Report Date: 20 Oct 2023

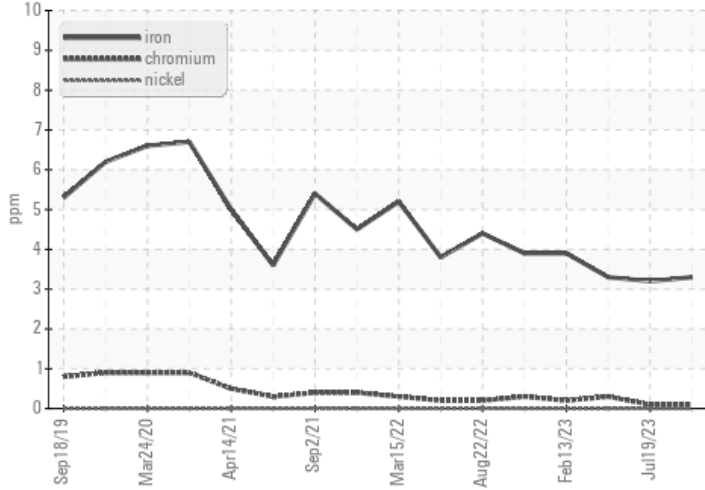


CONSTRUCTION EQUIPMENT

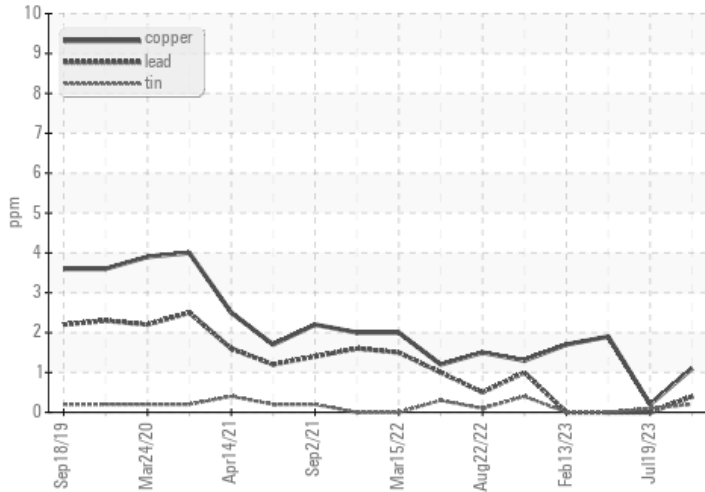


VOLVO GRAPHS

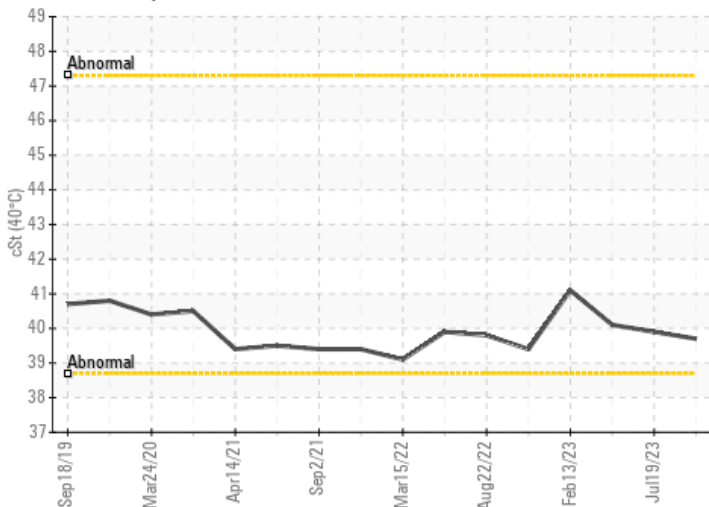
Ferrous Alloys



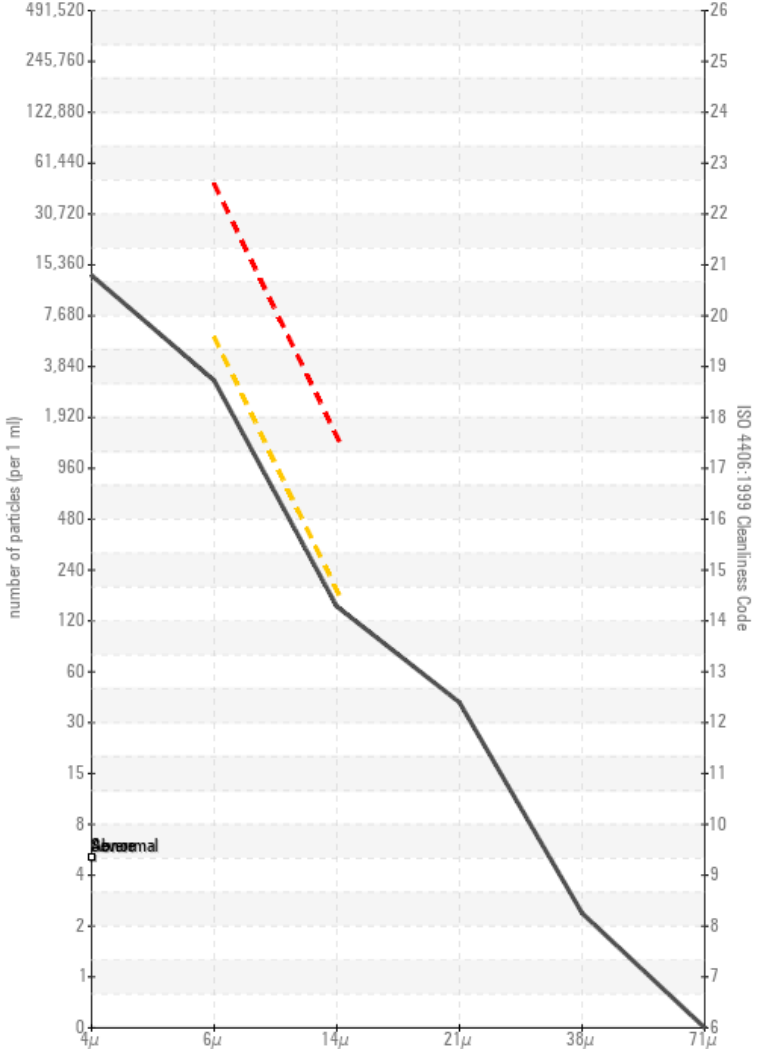
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

