



CONSTRUCTION EQUIPMENT

VOLVO A40G 352026 - HYDRAULIC SYSTEM



Sample No: VCP402910
Oil Type: MOBIL 10W
Job No:



SAMPLE INFORMATION

Sample Number	VCP402910	VCP406084	VCP385100	VCP366932
Sample Date	29 Aug 2023	22 Mar 2023	06 Dec 2022	21 Sep 2022
Machine Hours	9029	7981	7465	6961
Oil Hours	1564	516	2002	1495
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	ABNORMAL	ATTENTION	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	40.5	40.4	40.6	40.7
Acid Number (AN)	mg KOH/g	1.10	1.13	1.01	0.96



CONTAMINATION

Particles >4µm		3832	50393	24426	13127
Particles >6µm		698	▲ 15048	▲ 8170	2502
Particles >14µm		33	▲ 382	▲ 291	94
ISO 4406:1999 (c)		19/17/12	23/21/16	22/20/15	21/19/14
Silicon	ppm	15	15	15	13
Sodium	ppm	4	0	5	0
Potassium	ppm	0	1	0	2

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



ADDITIVES

Calcium	ppm	2893	2981	2560	2415
Magnesium	ppm	20	21	24	18
Zinc	ppm	974	1028	987	959
Phosphorus	ppm	787	837	814	795
Barium	ppm	0	0	0	1
Boron	ppm	<1	<1	3	2

Depot: SCHGRE
Unique No: 10634132
Signed: Don Baldrige
Report Date: 08 Sep 2023

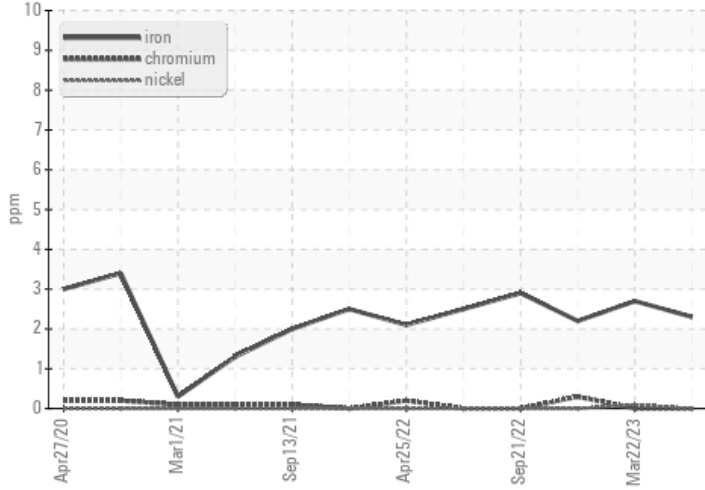


CONSTRUCTION EQUIPMENT

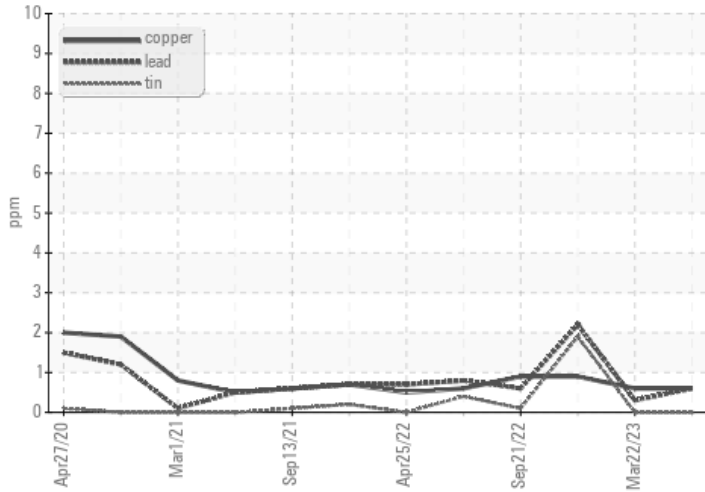


VOLVO GRAPHS

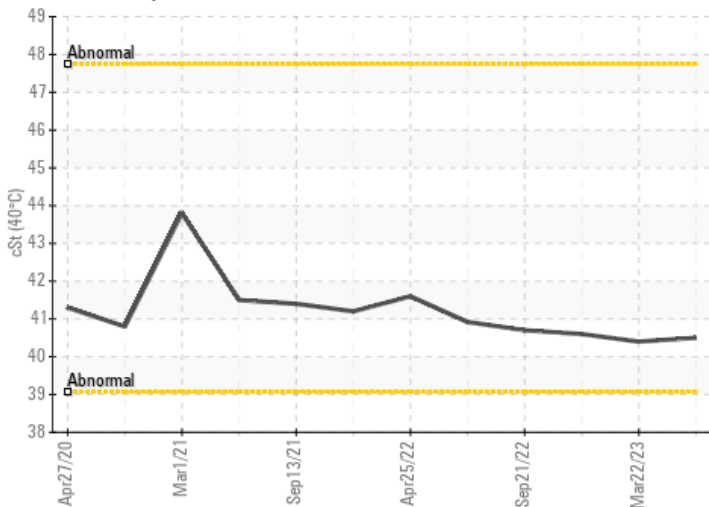
Ferrous Alloys



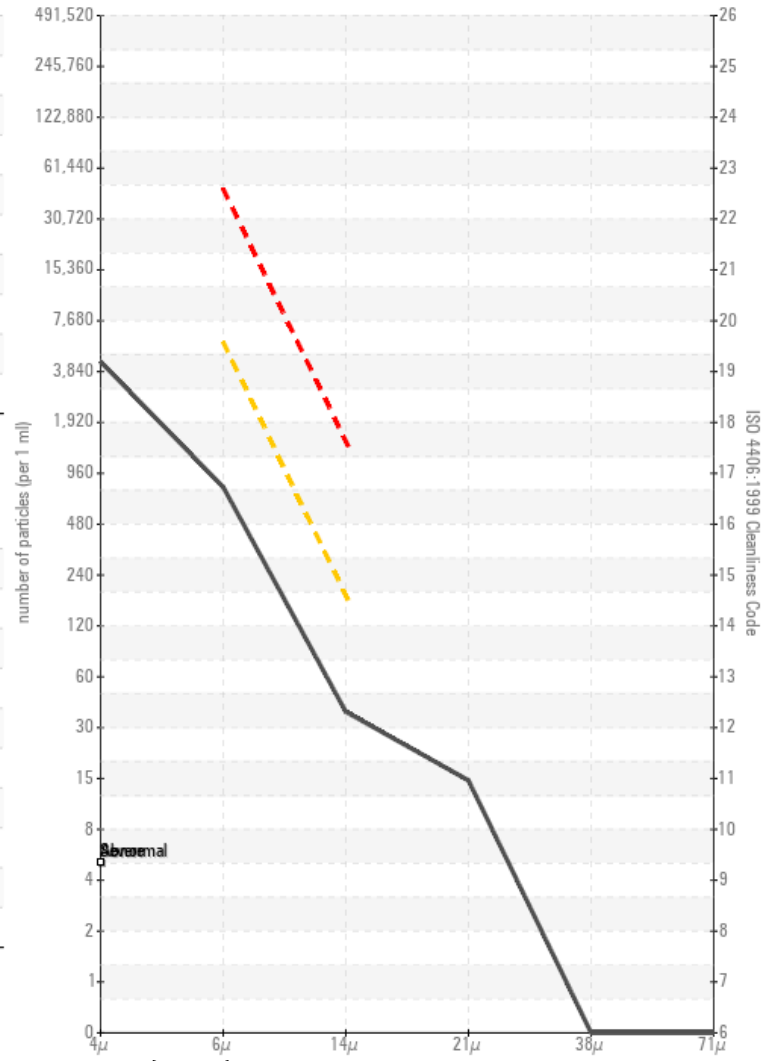
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

