



CONSTRUCTION EQUIPMENT

VOLVO A40G 352349 - HYDRAULIC SYSTEM



Sample No: VCP406462
Oil Type: MOBIL 10W
Job No:



SAMPLE INFORMATION

Sample Number	VCP406462	VCP401034	VCP406798	VCP390566
Sample Date	29 Aug 2023	19 Jul 2023	02 May 2023	13 Feb 2023
Machine Hours	5785	5478	4995	4463
Oil Hours	307	1960	1477	945
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ATTENTION	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	40.3	45.6	40.6	40.5
Acid Number (AN)	mg KOH/g	0.87	0.92	0.81	0.71



CONTAMINATION

Particles >4µm		7810	860	22454	52171
Particles >6µm		2503	243	6338	16882
Particles >14µm		104	18	259	418
ISO 4406:1999 (c)		20/19/14	17/15/11	22/20/15	23/21/16
Silicon	ppm	11	11	11	10
Sodium	ppm	3	2	4	2
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	4	4	3
Copper	ppm	2	<1	2	1
Lead	ppm	1	0	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	<1	1
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	2	1	1	1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	2423	1959	1844	1770
Magnesium	ppm	18	16	14	14
Zinc	ppm	866	786	751	673
Phosphorus	ppm	697	638	618	575
Barium	ppm	0	0	0	0
Boron	ppm	<1	0	1	0

Depot: SCHGRE
Unique No: 10634130
Signed: Wes Davis
Report Date: 07 Sep 2023

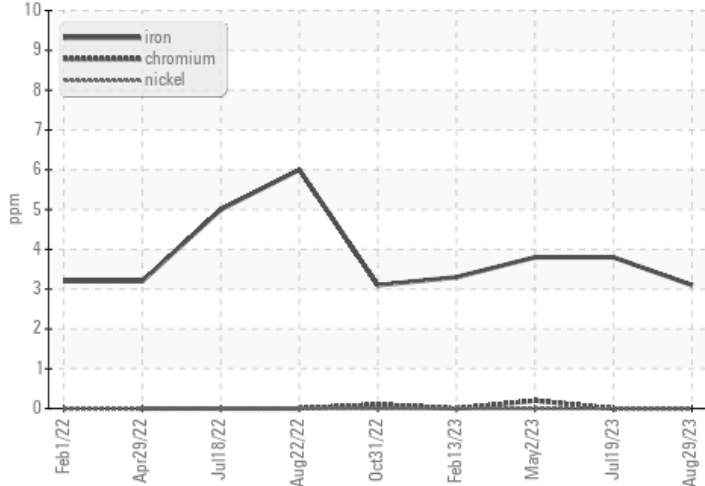


CONSTRUCTION EQUIPMENT

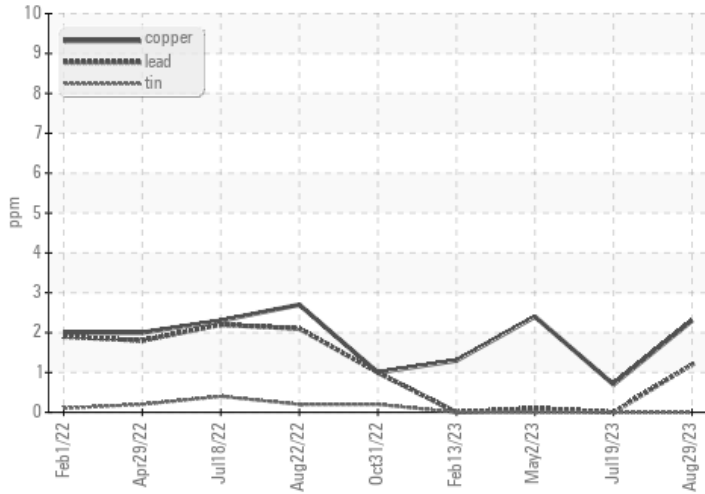


GRAPHS

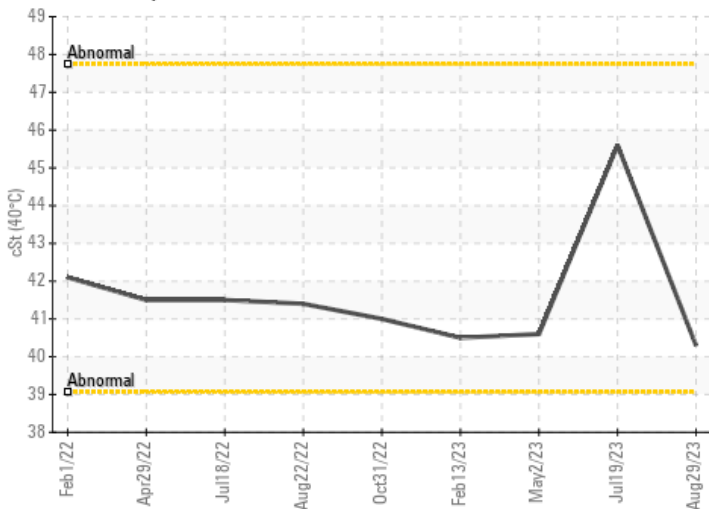
Ferrous Alloys



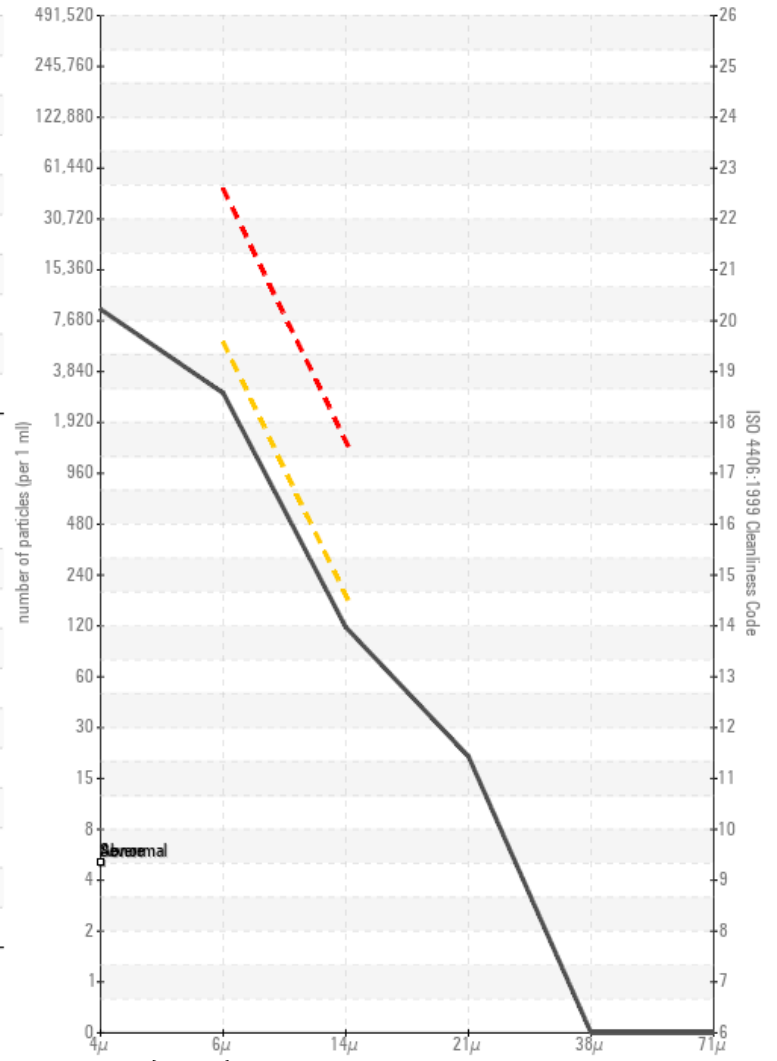
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

