



CONSTRUCTION EQUIPMENT

VOLVO A40G 341462 - HYDRAULIC SYSTEM



Sample No: VCP453566

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP453566	VCP433627	VCP312992	VCP312565
Sample Date	09 May 2024	19 Mar 2024	14 Nov 2023	01 Sep 2023
Machine Hours	17798	17478	17072	16607
Oil Hours	2134	1814	1408	943
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	ATTENTION	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	39.3	39.8	39.9	41.7
Acid Number (AN)	mg KOH/g	1.33	1.25	1.20	1.19



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		14827	4488	11254	17162
Particles >6µm		5221	990	3779	3847
Particles >14µm		164	70	230	133
ISO 4406:1999 (c)		21/20/15	19/17/13	21/19/15	21/19/14
Silicon	ppm	16	14	13	14
Sodium	ppm	<1	4	0	3
Potassium	ppm	2	<1	3	0

Diagnosis

No corrective action is recommended at this time. Oil and 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 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	4	2	4	3
Copper	ppm	2	2	2	2
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	0	0
Aluminum	ppm	3	4	2	<1
Chromium	ppm	<1	0	<1	0
Molybdenum	ppm	2	2	2	2
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3228	3146	3279	2985
Magnesium	ppm	27	30	26	31
Zinc	ppm	1152	1116	1134	1090
Phosphorus	ppm	896	905	953	880
Barium	ppm	0	0	0	0
Boron	ppm	2	4	3	1

Depot: SCHGRE
Unique No: 11075178
Signed: Don Baldrige
Report Date: 14 Jun 2024

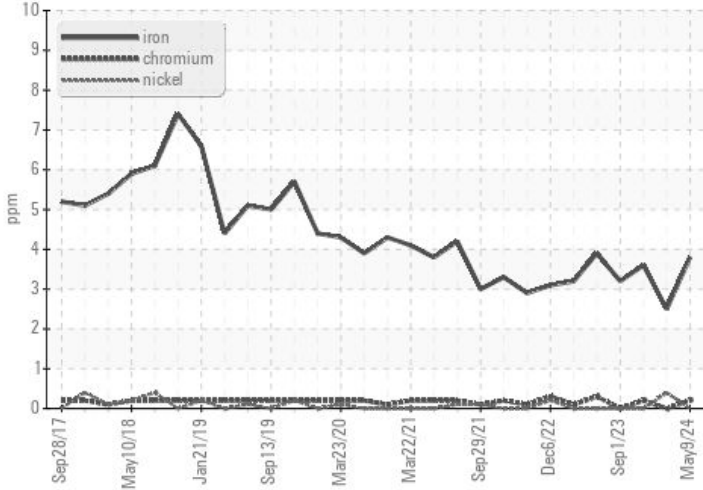


CONSTRUCTION EQUIPMENT

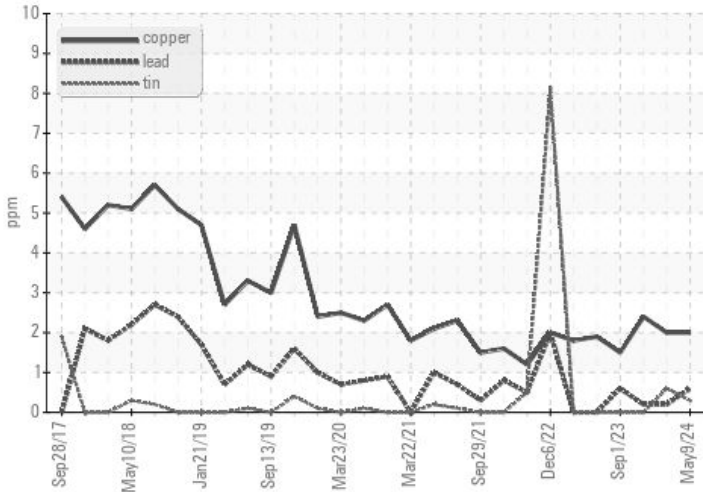


VOLVO GRAPHS

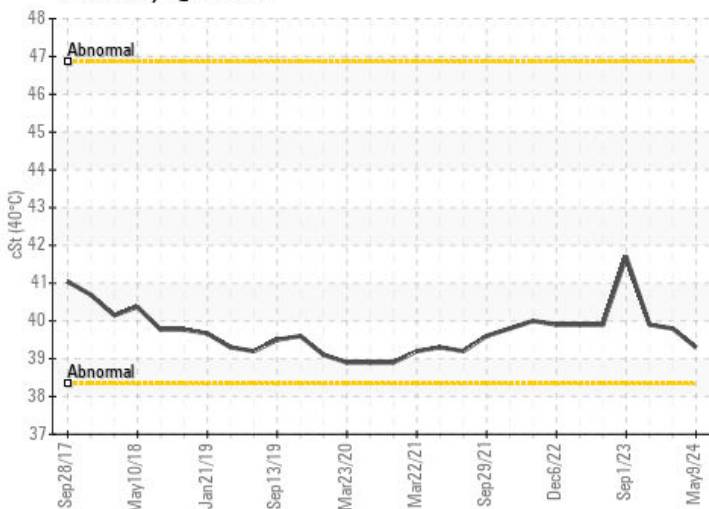
Ferrous Alloys



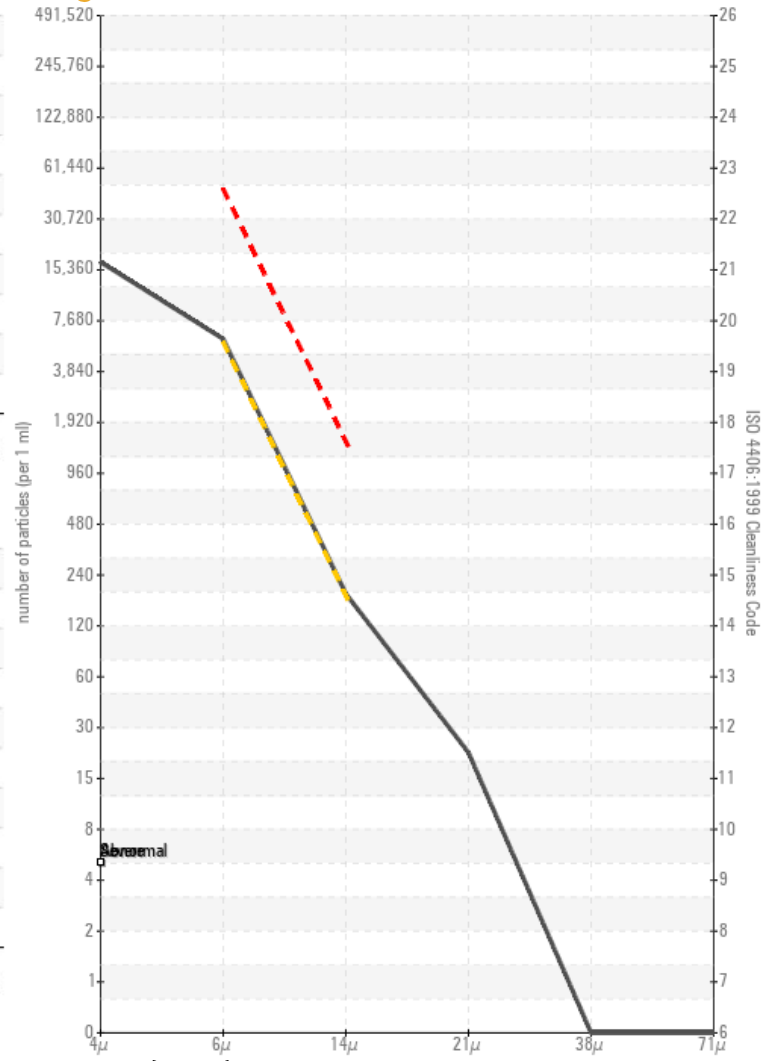
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

