



CONSTRUCTION EQUIPMENT

VOLVO A40G 341462 - HYDRAULIC SYSTEM



Sample No: VCP312565

Oil Type: MOBIL 10W

Job No:



SAMPLE INFORMATION

Sample Number	VCP312565	VCP359545	VCP385203	VCP385108
Sample Date	01 Sep 2023	13 Apr 2023	24 Jan 2023	06 Dec 2022
Machine Hours	16607	15664	15179	15207
Oil Hours	943	2100	1615	1443
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	ABNORMAL	ABNORMAL

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	41.7	39.9	39.9	39.9
Acid Number (AN)	mg KOH/g	1.19	1.15	1.45	1.26



CONTAMINATION

Particles >4µm		17162	10024	83452	34529
Particles >6µm		3847	2243	30419	11414
Particles >14µm		133	72	1570	580
ISO 4406:1999 (c)		21/19/14	21/18/13	24/22/18	22/21/16
Silicon	ppm	14	15	14	18
Sodium	ppm	3	4	4	4
Potassium	ppm	0	0	0	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	3	4	3	3
Copper	ppm	2	2	2	2
Lead	ppm	<1	0	0	2
Tin	ppm	0	0	0	8
Aluminum	ppm	<1	3	3	4
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	2	3	2	4
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	2985	3060	3055	3574
Magnesium	ppm	31	30	27	36
Zinc	ppm	1090	1076	1043	1248
Phosphorus	ppm	880	889	861	1077
Barium	ppm	0	0	0	0
Boron	ppm	1	2	<1	5

Depot: SCHGRE
Unique No: 10671864
Signed: Don Baldrige
Report Date: 02 Oct 2023

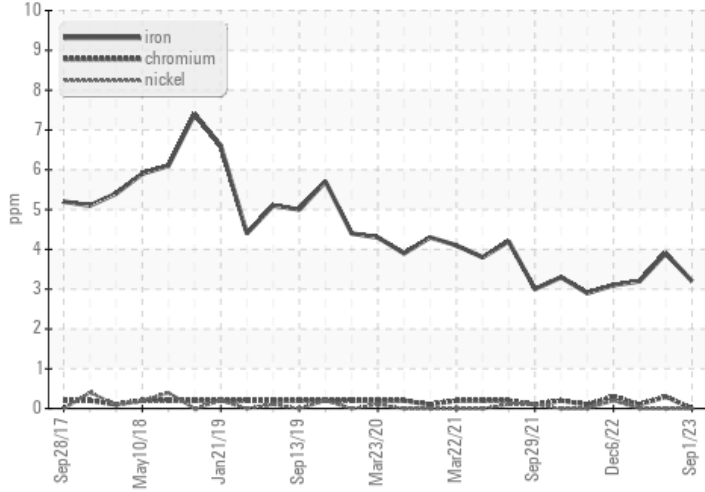


CONSTRUCTION EQUIPMENT

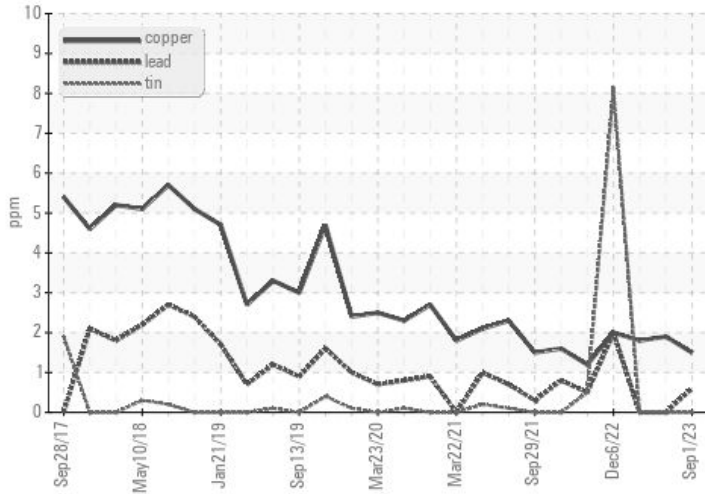


VOLVO GRAPHS

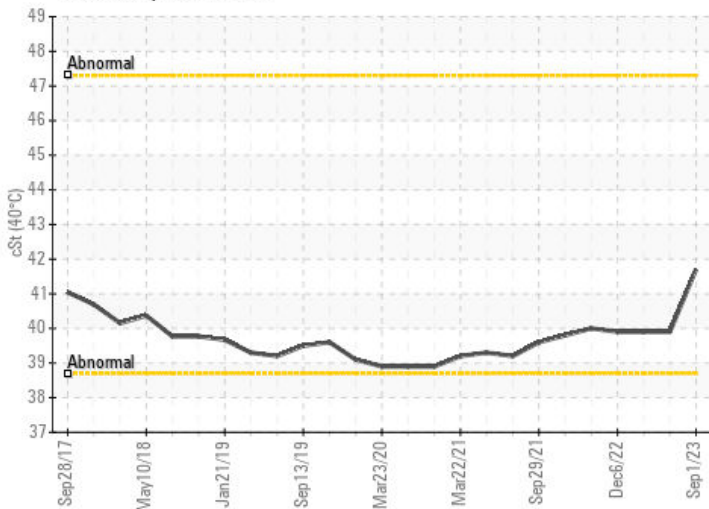
Ferrous Alloys



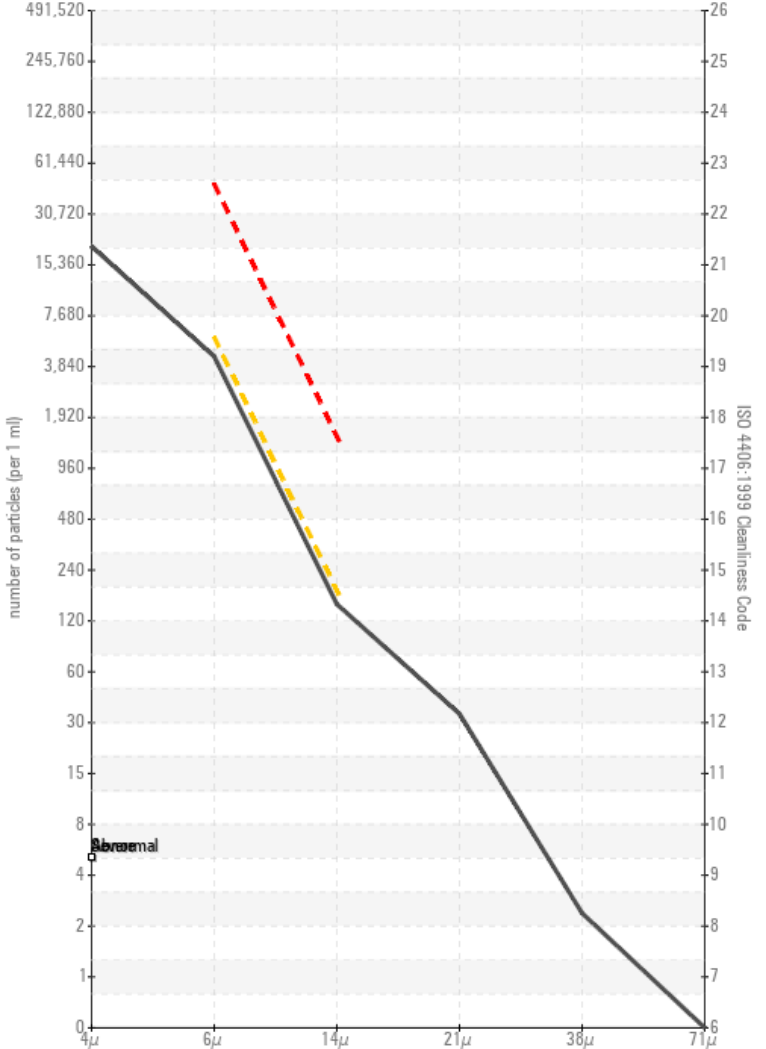
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

