



CONSTRUCTION EQUIPMENT

133669 VOLVO A40G 352811 - HYDRAULIC SYSTEM



Sample No: VCP416987
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 133669



SAMPLE INFORMATION

Sample Number	VCP416987	VCP408760	VCP410508	VCP411294
Sample Date	10 Jul 2023	15 May 2023	24 Mar 2023	23 Jan 2023
Machine Hours	5448	4955	4491	4004
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

LATTIMORE MATERIALS/HOLCIM - ROSSER - LAFARGE
 14242 S SH-34
 SCURRY, TX
 US 75158
 Contact: WALLACE WARREN
 wallace.warren@lafargeholcim.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	43.8	44.0	44.3	44.1
Acid Number (AN)	mg KOH/g	0.35	0.31	0.30	0.33



CONTAMINATION

Particles >4µm		1656	1920	1013	2128
Particles >6µm		569	230	157	383
Particles >14µm		67	22	20	9
ISO 4406:1999 (c)		18/16/13	18/15/12	17/14/11	18/16/10
Silicon	ppm	5	5	4	9
Sodium	ppm	0	0	<1	0
Potassium	ppm	<1	<1	<1	1

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	7	6	5	10
Copper	ppm	2	1	1	2
Lead	ppm	2	1	1	3
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	57	62	54	61
Magnesium	ppm	3	3	2	2
Zinc	ppm	426	438	423	446
Phosphorus	ppm	320	325	316	332
Barium	ppm	<1	0	0	0
Boron	ppm	0	0	0	0

Depot: LATSCU
Unique No: 10566738
Signed: Wes Davis
Report Date: 25 Jul 2023

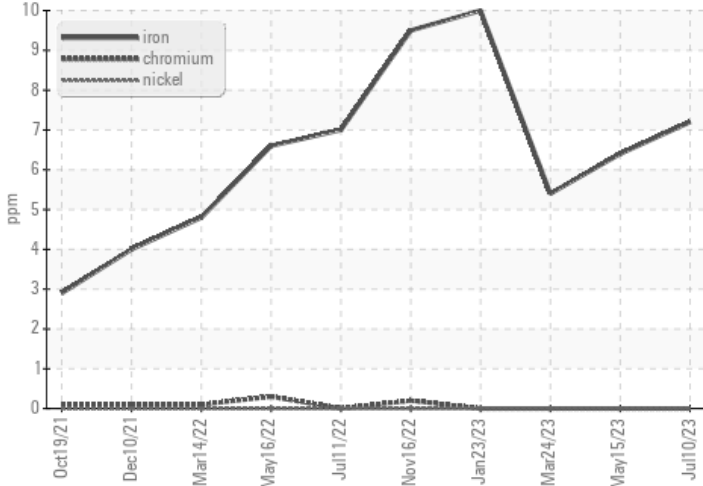


CONSTRUCTION EQUIPMENT

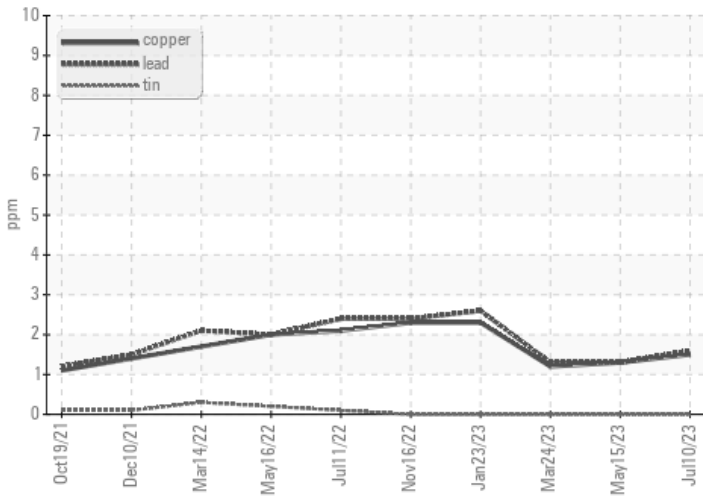


GRAPHS

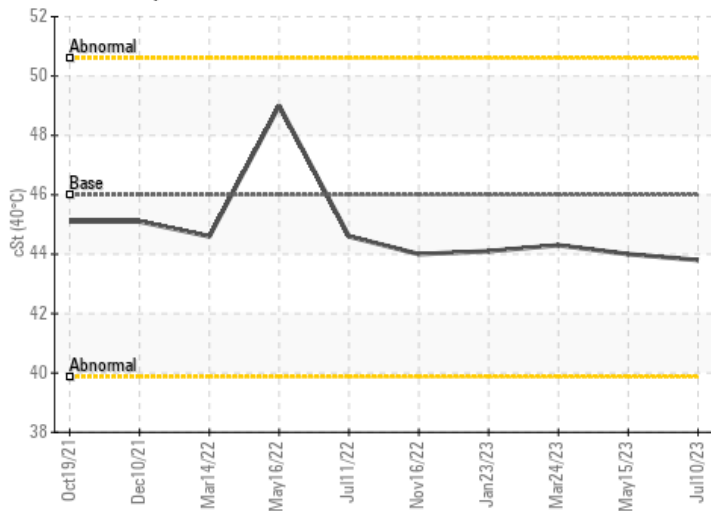
Ferrous Alloys



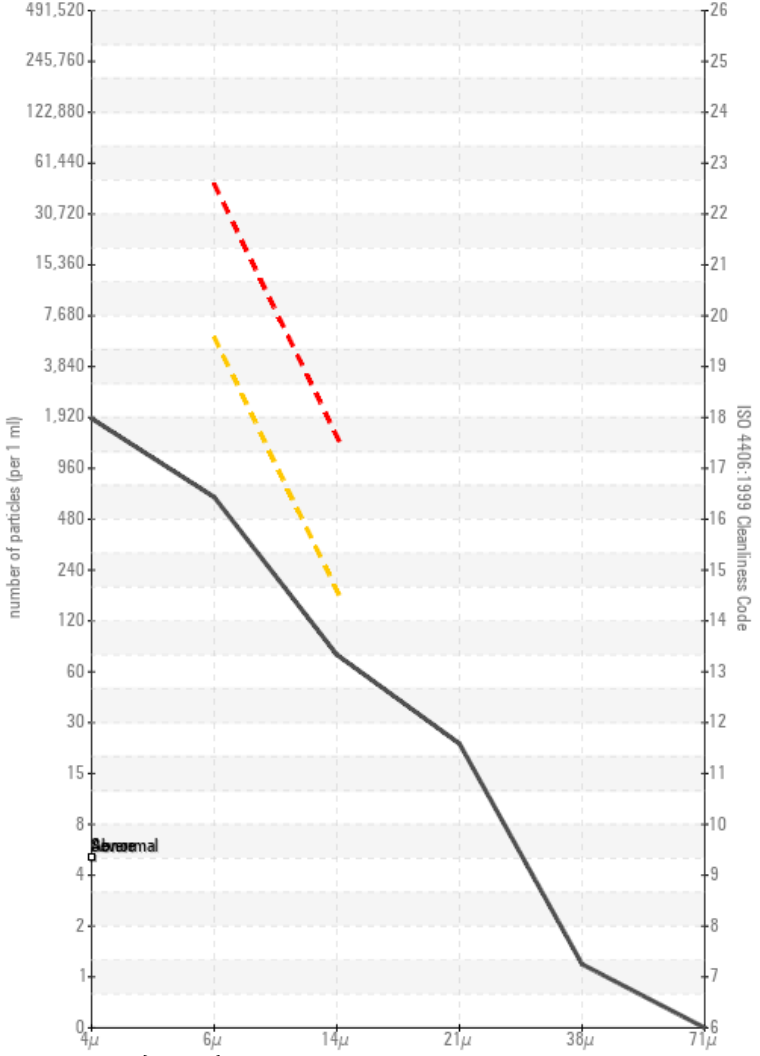
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

