



CONSTRUCTION EQUIPMENT

133991 VOLVO A40G 3528 10 - HYDRAULIC SYSTEM



Sample No: VCP410095
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 133991



SAMPLE INFORMATION

Sample Number	VCP410095	VCP419360	VCP410558	VCP383288
Sample Date	04 Aug 2023	05 Jun 2023	10 Apr 2023	20 Feb 2023
Machine Hours	5500	4941	4420	4017
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	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	49.2	44.5	43.4	44.2
Acid Number (AN)	mg KOH/g	0.39	0.38	0.38	0.31



CONTAMINATION

Particles >4µm		1031	2117	2490	2624
Particles >6µm		328	526	466	621
Particles >14µm		42	35	22	22
ISO 4406:1999 (c)		17/16/13	18/16/12	18/16/12	19/16/12
Silicon	ppm	4	4	4	7
Sodium	ppm	3	0	<1	<1
Potassium	ppm	0	1	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	6	7	4	9
Copper	ppm	2	2	<1	2
Lead	ppm	1	2	0	2
Tin	ppm	<1	0	0	0
Aluminum	ppm	2	<1	1	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	1	1	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	67	74	67	63
Magnesium	ppm	8	3	3	4
Zinc	ppm	385	440	404	392
Phosphorus	ppm	313	331	338	321
Barium	ppm	<1	2	0	0
Boron	ppm	0	0	0	0

Depot: LATSCU
Unique No: 10603275
Signed: Wes Davis
Report Date: 15 Aug 2023

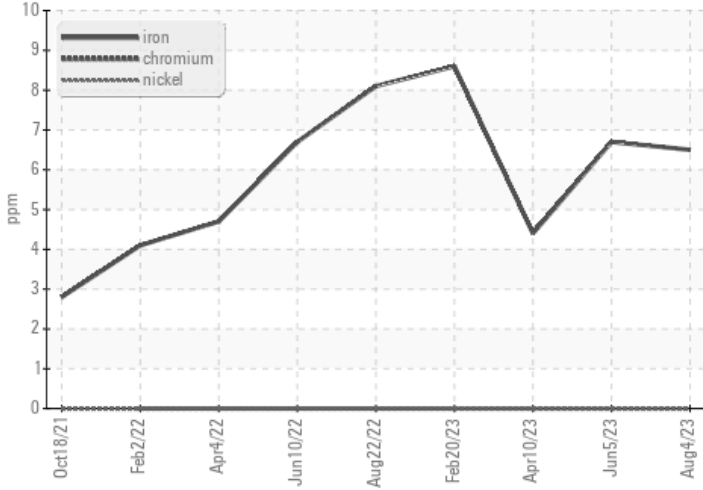


CONSTRUCTION EQUIPMENT

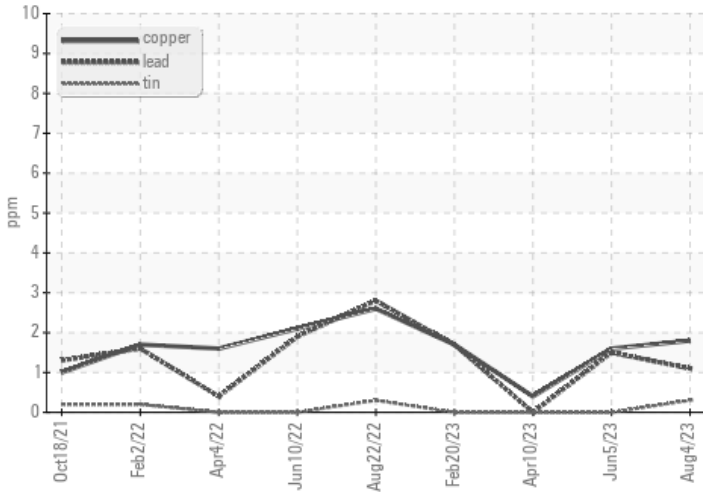


GRAPHS

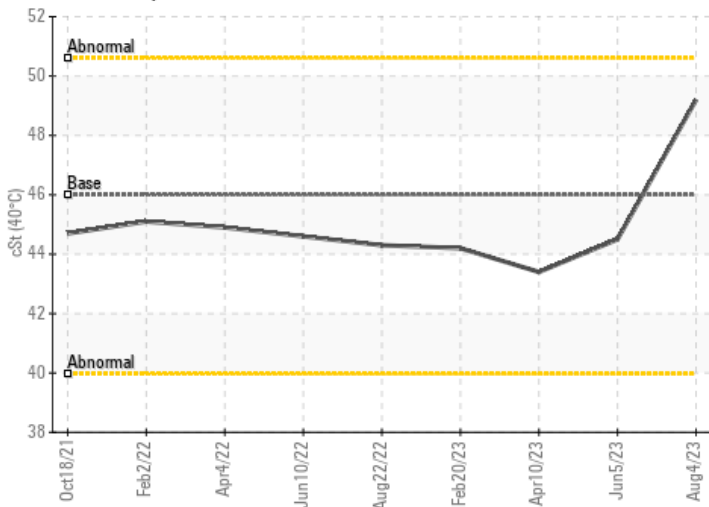
Ferrous Alloys



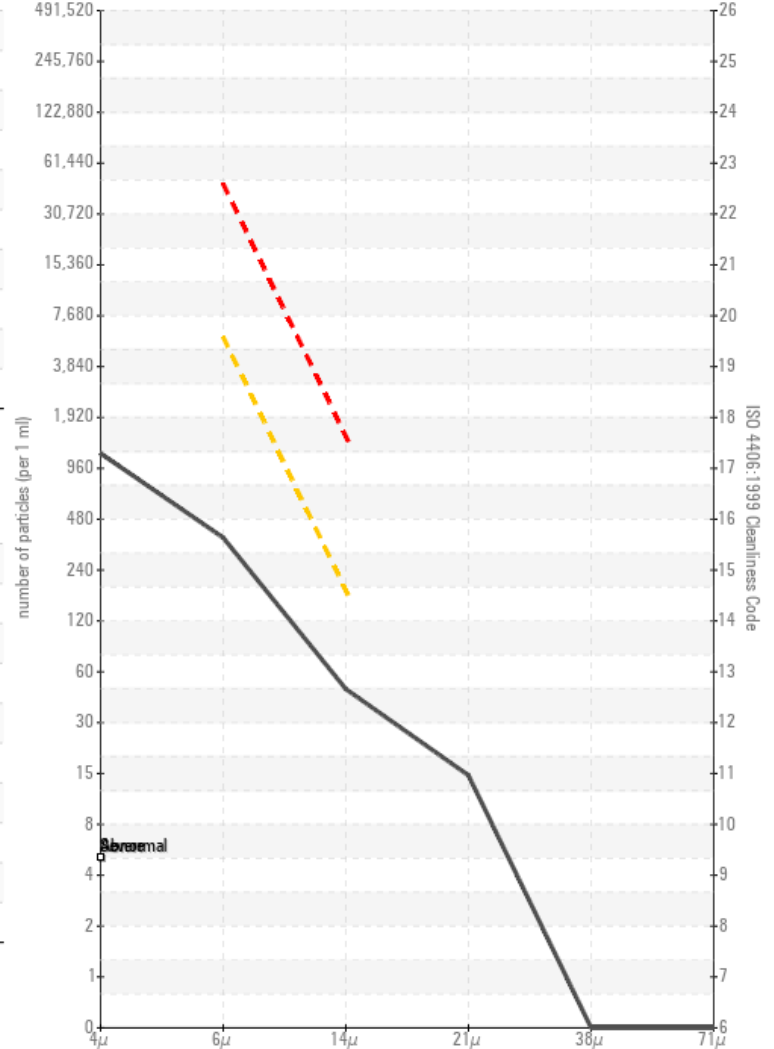
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

