



CONSTRUCTION EQUIPMENT

134802 VOLVO A40G 352811 - HYDRAULIC SYSTEM



Sample No: VCP431221
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 134802



SAMPLE INFORMATION

Sample Number	VCP431221	VCP434608	VCP416987	VCP408760
Sample Date	06 Nov 2023	06 Sep 2023	10 Jul 2023	15 May 2023
Machine Hours	6298	5919	5448	4955
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
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	44.1	44.1	43.8	44.0
Acid Number (AN)	mg KOH/g	0.43	0.34	0.35	0.31



CONTAMINATION

Particles >4µm		3276	2372	1656	1920
Particles >6µm		1044	893	569	230
Particles >14µm		86	125	67	22
ISO 4406:1999 (c)		19/17/14	18/17/14	18/16/13	18/15/12
Silicon	ppm	5	4	5	5
Sodium	ppm	0	2	0	0
Potassium	ppm	2	0	<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	10	8	7	6
Copper	ppm	2	2	2	1
Lead	ppm	2	<1	2	1
Tin	ppm	0	<1	0	0
Aluminum	ppm	3	0	<1	0
Chromium	ppm	<1	0	0	0
Molybdenum	ppm	1	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	<1	<1	0	0



ADDITIVES

Calcium	ppm	77	60	57	62
Magnesium	ppm	5	2	3	3
Zinc	ppm	499	412	426	438
Phosphorus	ppm	380	333	320	325
Barium	ppm	0	0	<1	0
Boron	ppm	0	0	0	0

Depot: LATSCU
Unique No: 10736608
Signed: Wes Davis
Report Date: 10 Nov 2023

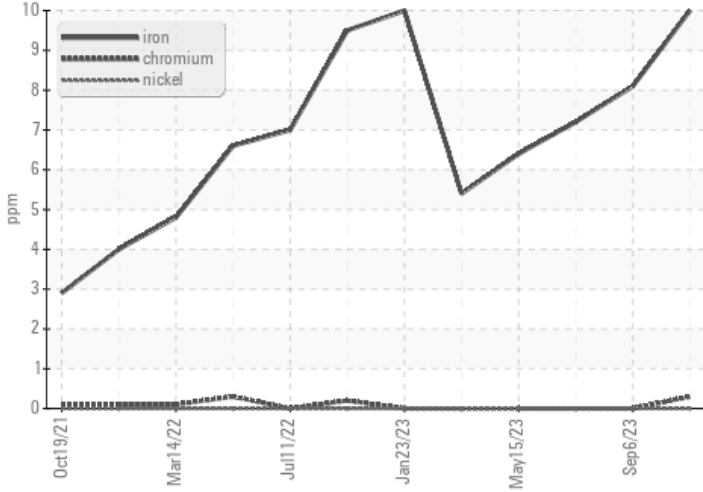


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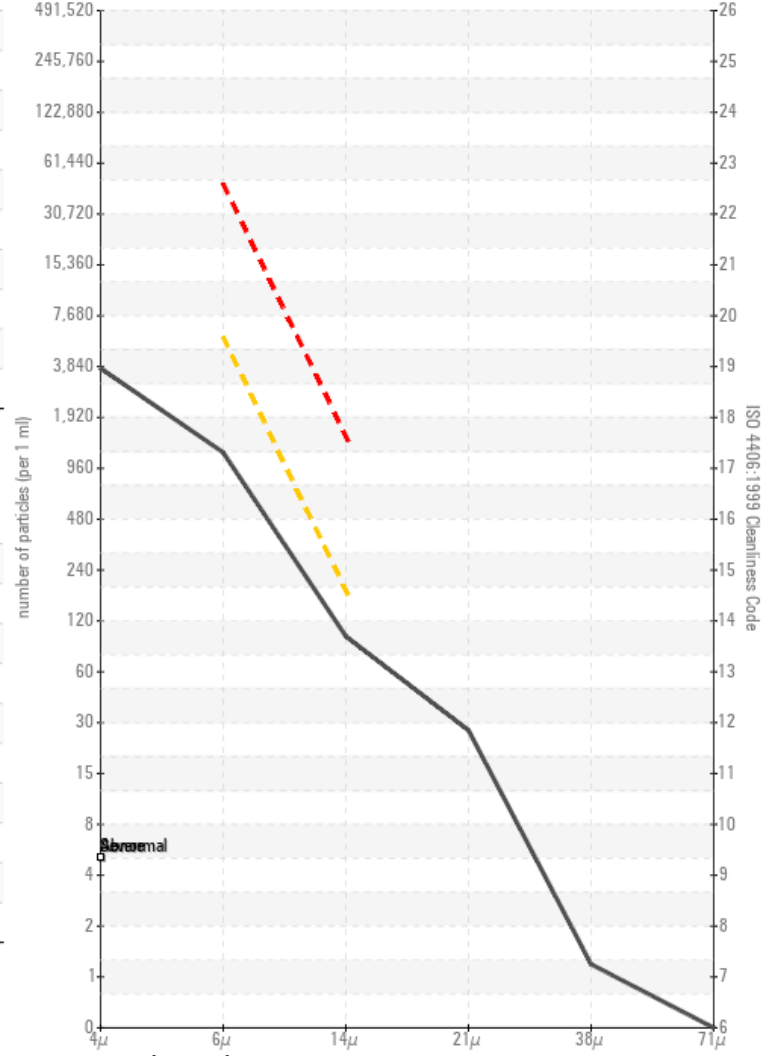


GRAPHS

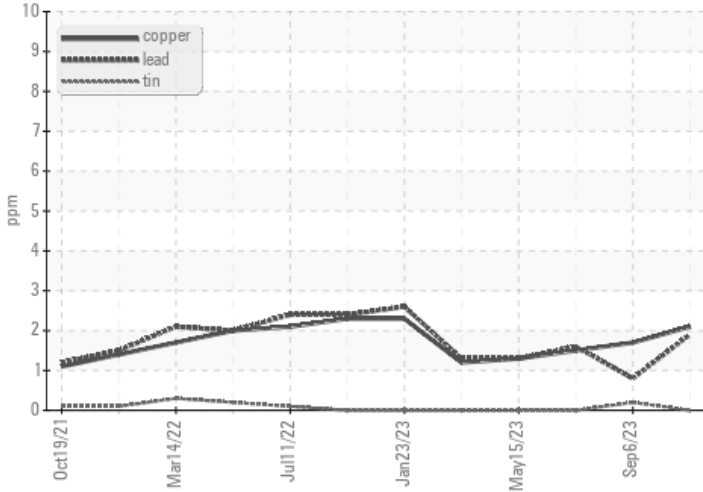
Ferrous Alloys



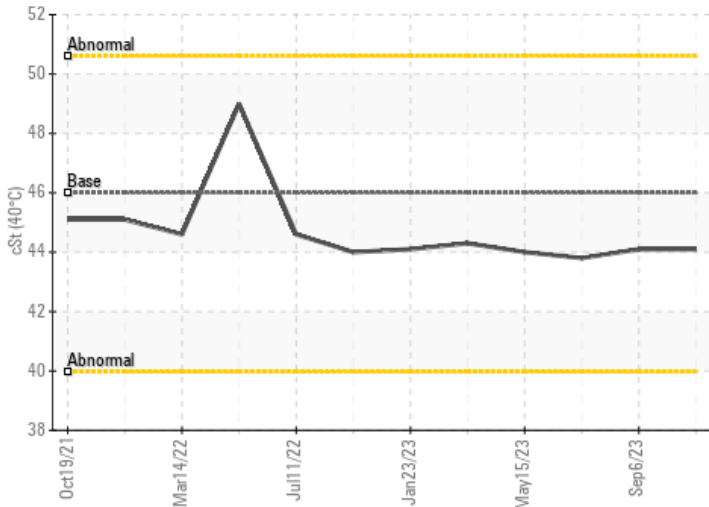
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

