



CONSTRUCTION EQUIPMENT

134054 VOLVO A45G 352200 - HYDRAULIC SYSTEM



Sample No: VCP423766
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: 134054



SAMPLE INFORMATION

Sample Number	VCP423766	VCP424726	VCP419759	VCP382530
Sample Date	11 Aug 2023	16 Jun 2023	14 Apr 2023	15 Feb 2023
Machine Hours	10466	9998	9464	9006
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
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	43.0	43.1	42.7	42.8
Acid Number (AN)	mg KOH/g	0.36	0.35	0.32	0.33

CONTAMINATION

Particles >4µm		2584	1668	5397	3868
Particles >6µm		736	195	1082	1071
Particles >14µm		69	13	32	51
ISO 4406:1999 (c)		19/17/13	18/15/11	20/17/12	19/17/13
Silicon	ppm	7	7	6	5
Sodium	ppm	1	3	1	<1
Potassium	ppm	0	0	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	8	8	6	4
Copper	ppm	2	2	<1	<1
Lead	ppm	<1	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	3	2	3	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	3	4	4	3
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	0	<1	0
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	75	68	69	73
Magnesium	ppm	5	2	7	7
Zinc	ppm	408	400	390	379
Phosphorus	ppm	328	338	330	310
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: LATSCU
Unique No: 10617353
Signed: Wes Davis
Report Date: 24 Aug 2023

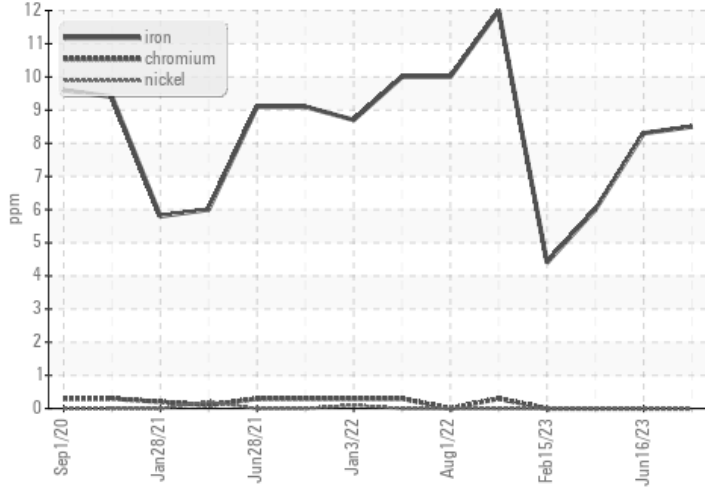


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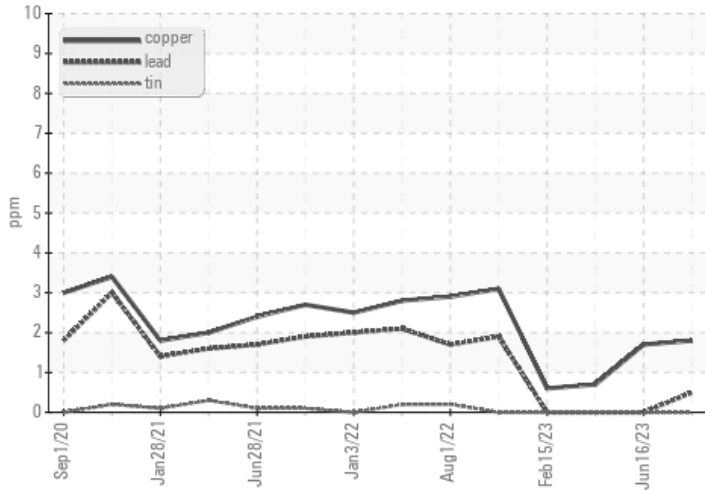


GRAPHS

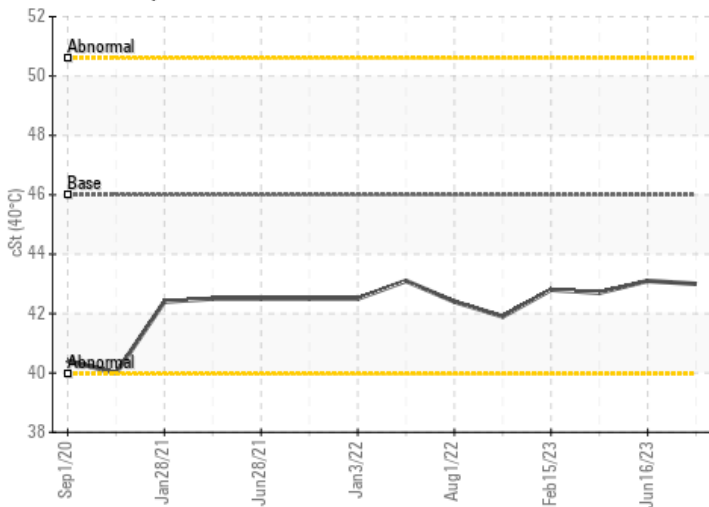
Ferrous Alloys



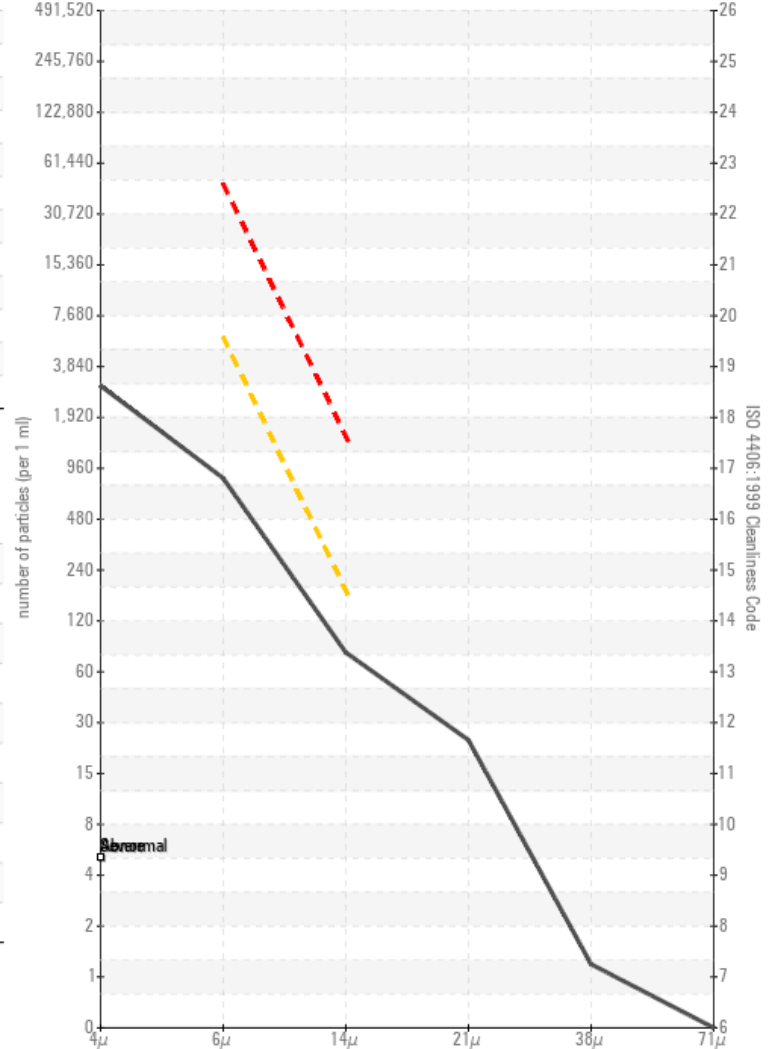
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

