



CONSTRUCTION EQUIPMENT

A10938 VOLVO L120H 633139 - HYDRAULIC SYSTEM



Sample No: VCP421708
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A10938



SAMPLE INFORMATION

Sample Number	VCP421708	VCP396684	VCP390825	VCP341210
Sample Date	22 Aug 2023	04 Apr 2023	26 Oct 2022	03 Aug 2022
Machine Hours	3210	2260	1150	559
Oil Hours	3210	2260	1150	559
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	ABNORMAL	ABNORMAL	ATTENTION

GOURMETS DELIGHT

PO BOX 160
 AVONDALE, PA
 US 19311
 Contact: GABE VALENTINO
 gabe.valentino@gourmetsfinest.com
 T: (610)268-3578
 F: (610)268-2298



OIL CONDITION

Visc @ 40°C	cSt	41.9	42.5	43.1	43.7
Acid Number (AN)	mg KOH/g	0.24	0.33	0.37	0.40



CONTAMINATION

Particles >4µm		▲ 6590	▲ 12502	▲ 10306	▲ 6879
Particles >6µm		■ 934	■ 761	■ 949	■ 732
Particles >14µm		■ 78	■ 18	■ 52	■ 41
ISO 4406:1999 (c)		20/17/13	21/17/11	21/17/13	20/17/13
Silicon	ppm	■ 4	■ 4	■ 3	■ 3
Sodium	ppm	■ <1	■ 0	■ 1	■ 0
Potassium	ppm	■ 4	■ 5	■ <1	■ 1

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present 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	■ 8	■ 7	■ 4	■ 3
Copper	ppm	■ 3	■ 3	■ 2	■ 2
Lead	ppm	■ 1	■ 1	■ 1	■ <1
Tin	ppm	■ <1	■ 0	■ 0	■ 0
Aluminum	ppm	■ 1	■ 0	■ 0	■ 0
Chromium	ppm	■ 2	■ 2	■ <1	■ <1
Molybdenum	ppm	■ <1	■ <1	■ <1	<1
Nickel	ppm	■ <1	■ 0	■ 0	■ 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	■ <1	■ 0	■ 0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	97	■ 71	68	69
Magnesium	ppm	■ 5	■ 4	■ 3	4
Zinc	ppm	■ 465	■ 435	■ 436	455
Phosphorus	ppm	■ 367	■ 323	■ 333	337
Barium	ppm	■ 0	■ 0	■ 0	0
Boron	ppm	■ 0	■ 0	■ 0	0

Depot: GOUAVO
Unique No: 10648647
Signed: Wes Davis
Report Date: 18 Sep 2023

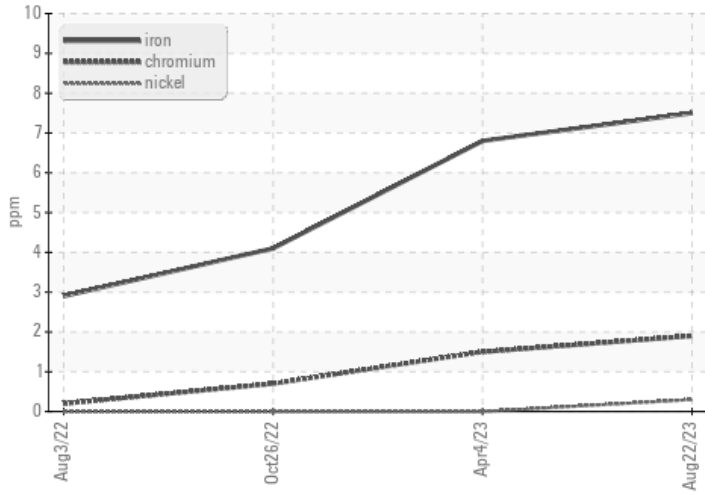


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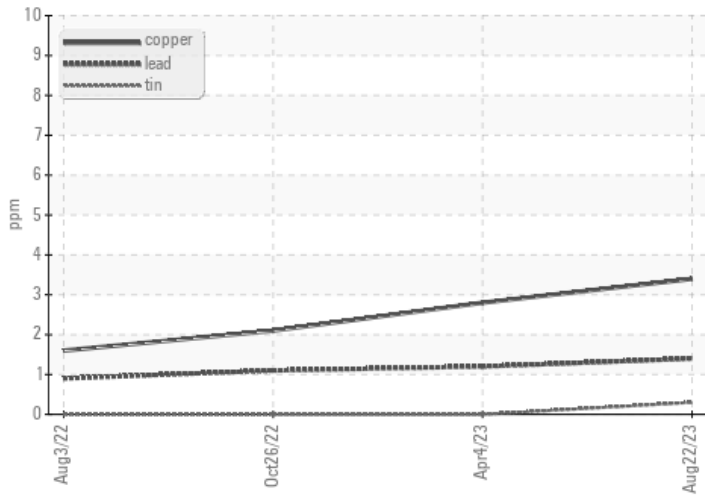


GRAPHS

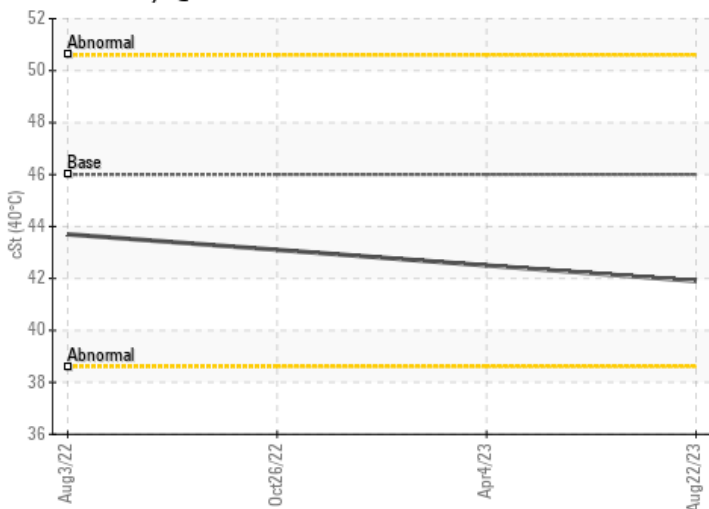
Ferrous Alloys



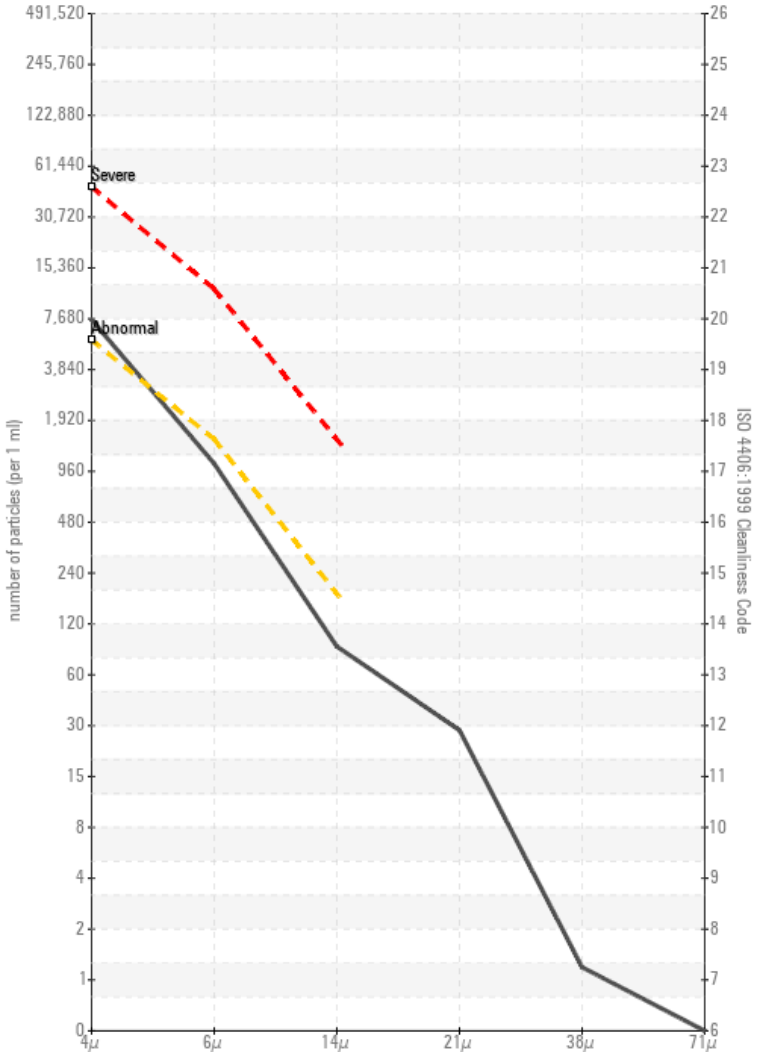
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

