



CONSTRUCTION EQUIPMENT

VOLVO L120G 30761 - HYDRAULIC SYSTEM



Sample No: VCP382896

Oil Type: BP AW 46

Job No:



SAMPLE INFORMATION

Sample Number	VCP382896	VCP393194	VCP383914	VCP372090
Sample Date	13 Jun 2023	29 Mar 2023	28 Oct 2022	29 Jun 2022
Machine Hours	12575	12165	11780	11355
Oil Hours	0	0	0	1000
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	ATTENTION	ATTENTION	ATTENTION	NORMAL

LEONARDS CONTRACTING

30850 STEPHENSON HWY
MADISON HEIGHTS, MI
US 48071

Contact: LARRY SCHRADE
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F: x:



OIL CONDITION

Visc @ 40°C	cSt	42.7	42.5	41.4	41.2
Acid Number (AN)	mg KOH/g	0.34	0.39	0.38	0.52



CONTAMINATION

Particles >4µm		6213	4668	4049	5394
Particles >6µm		1782	1419	1037	688
Particles >14µm		93	113	159	35
ISO 4406:1999 (c)		20/18/14	19/18/14	19/17/14	20/17/12
Silicon	ppm	4	4	8	8
Sodium	ppm	2	0	2	<1
Potassium	ppm	0	1	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	5	5	11	9
Copper	ppm	1	1	3	2
Lead	ppm	0	<1	1	1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	0	2	2	3
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	0	<1	<1	0
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	87	92	157	153
Magnesium	ppm	0	1	3	2
Zinc	ppm	324	337	392	385
Phosphorus	ppm	268	254	298	298
Barium	ppm	0	<1	2	2
Boron	ppm	0	0	1	1

Depot: LEOMAD
Unique No: 10532429
Signed: Wes Davis
Report Date: 27 Jun 2023

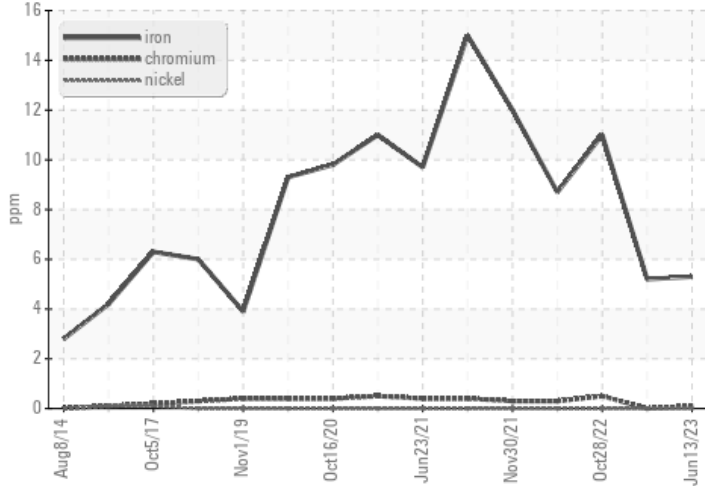


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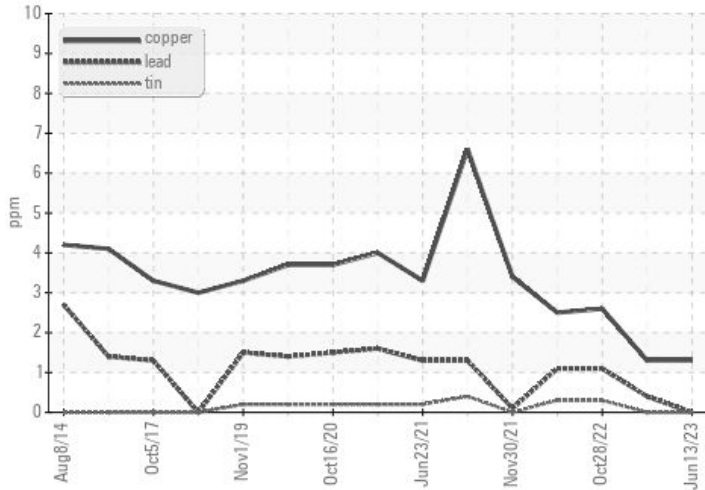


VOLVO GRAPHS

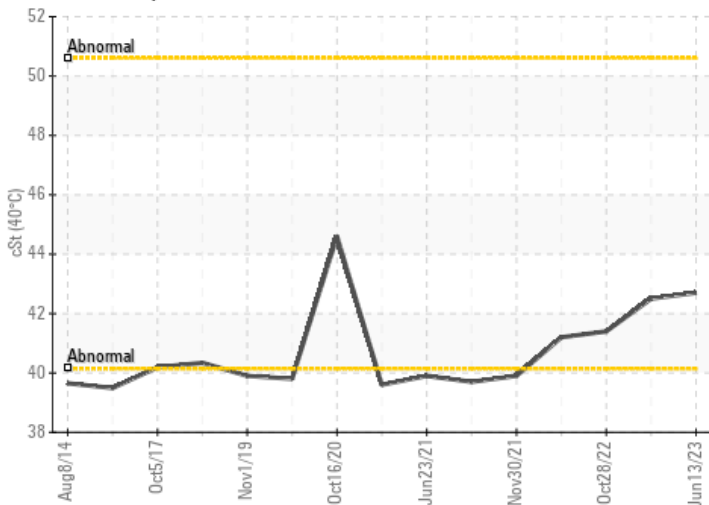
Ferrous Alloys



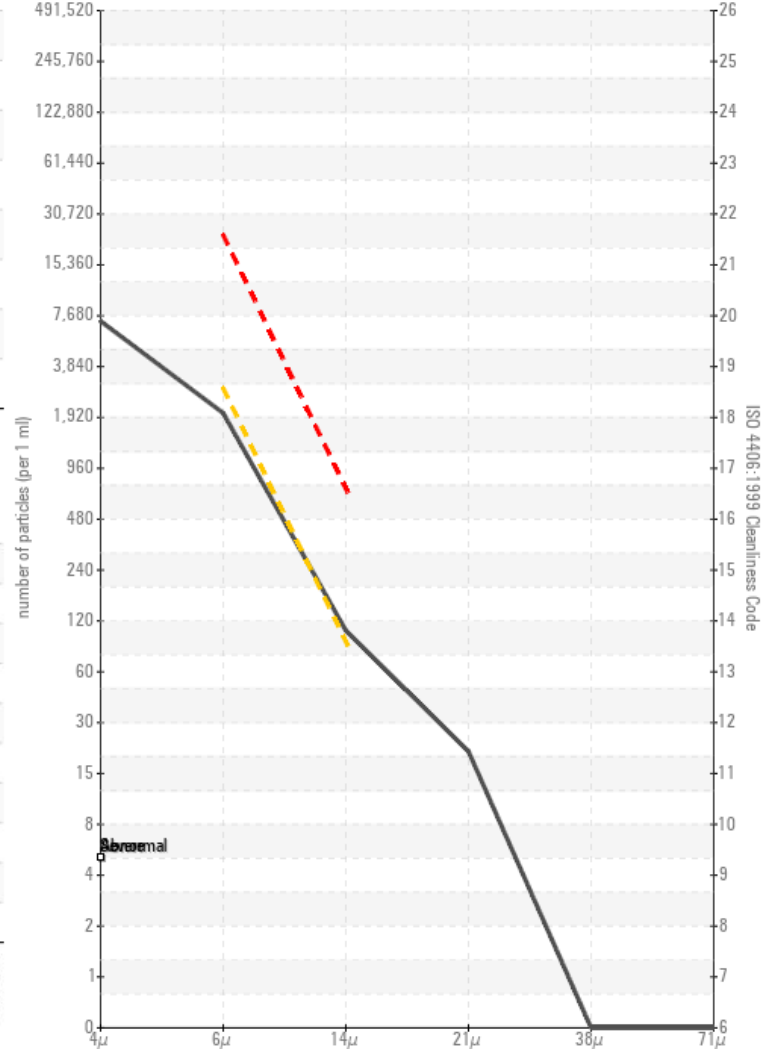
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

