



CONSTRUCTION EQUIPMENT

A11383 VOLVO L120F 66670 - HYDRAULIC SYSTEM



Sample No: VCP434143
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A11383



SAMPLE INFORMATION

Sample Number	VCP434143	VCP400970	VCP315295	VCP277062
Sample Date	30 Oct 2023	13 Apr 2023	24 Mar 2021	27 May 2020
Machine Hours	11170	10550	9240	8485
Oil Hours	1000	500	1000	500
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ATTENTION	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	43.0	42.2	44.0	43.0
Acid Number (AN)	mg KOH/g	0.26	0.28	0.381	0.377

CONTAMINATION

Particles >4µm		8943	3849	4348	13089
Particles >6µm		2111	870	849	3337
Particles >14µm		114	55	45	283
ISO 4406:1999 (c)		20/18/14	19/17/13	19/17/13	21/19/15
Silicon	ppm	5	4	5	7
Sodium	ppm	2	<1	1	2
Potassium	ppm	<1	0	<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	<1	2	1	2
Copper	ppm	<1	0	<1	<1
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	<1	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	435	481	504	851
Magnesium	ppm	6	6	6	11
Zinc	ppm	551	569	559	674
Phosphorus	ppm	426	430	434	512
Barium	ppm	0	0	0	0
Boron	ppm	11	12	13	30

Depot: JAAPHI
Unique No: 10737959
Signed: Wes Davis
Report Date: 13 Nov 2023

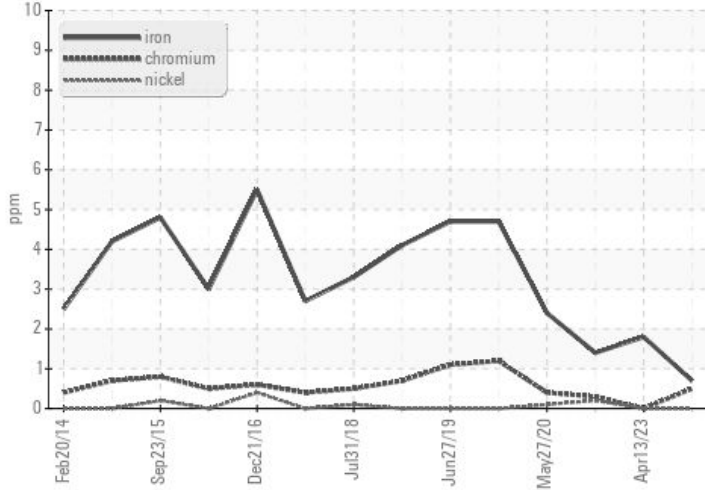


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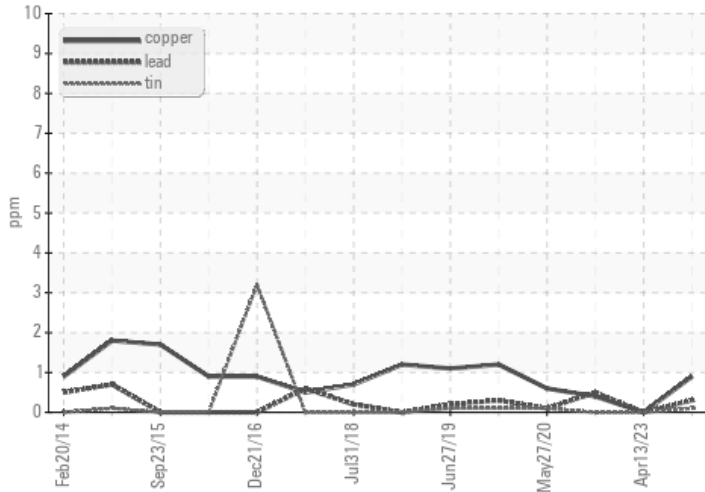


VOLVO GRAPHS

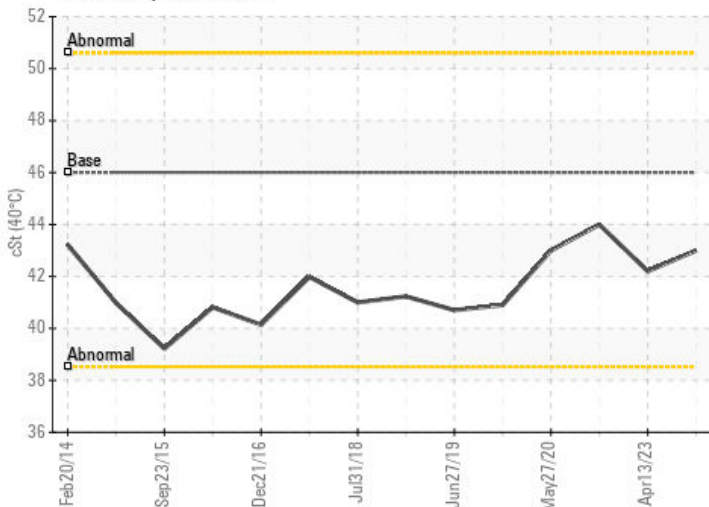
Ferrous Alloys



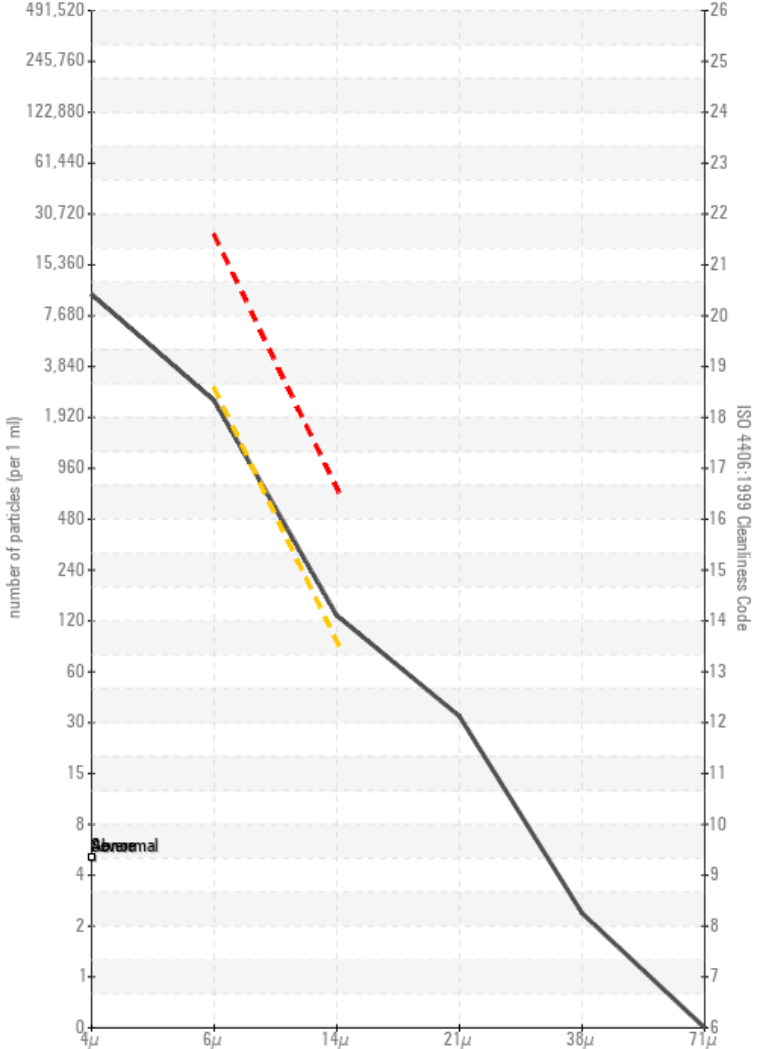
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

