



# CONSTRUCTION EQUIPMENT

## A12121 VOLVO L120H 633139 - HYDRAULIC SYSTEM



**Sample No:** VCP408158  
**Oil Type:** MOBIL HYDRAULIC OIL AW 46  
**Job No:** A12121



### SAMPLE INFORMATION

Sample Number	<b>VCP408158</b>	VCP421708	VCP396684	VCP390825
Sample Date	<b>14 Feb 2024</b>	22 Aug 2023	04 Apr 2023	26 Oct 2022
Machine Hours	<b>4430</b>	3210	2260	1150
Oil Hours	<b>4000</b>	3210	2260	1150
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ATTENTION	ABNORMAL	ABNORMAL

**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	<b>41.5</b>	41.9	42.5	43.1
Acid Number (AN)	mg KOH/g	<b>0.34</b>	0.24	0.33	0.37

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>4043</b>	6590	12502	10306
Particles >6µm		<b>378</b>	934	761	949
Particles >14µm		<b>25</b>	78	18	52
ISO 4406:1999 (c)		<b>19/16/12</b>	20/17/13	21/17/11	21/17/13
Silicon	ppm	<b>3</b>	4	4	3
Sodium	ppm	<b>&lt;1</b>	<1	0	1
Potassium	ppm	<b>5</b>	4	5	<1

**Diagnosis**  
 Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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	<b>1</b>	8	7	4
Copper	ppm	<b>2</b>	3	3	2
Lead	ppm	<b>&lt;1</b>	1	1	1
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>0</b>	1	0	0
Chromium	ppm	<b>2</b>	2	2	<1
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	0	0
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>65</b>	97	71	68
Magnesium	ppm	<b>0</b>	5	4	3
Zinc	ppm	<b>445</b>	465	435	436
Phosphorus	ppm	<b>345</b>	367	323	333
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** GOUAVO  
**Unique No:** 10889730  
**Signed:** Don Baldrige  
**Report Date:** 23 Feb 2024

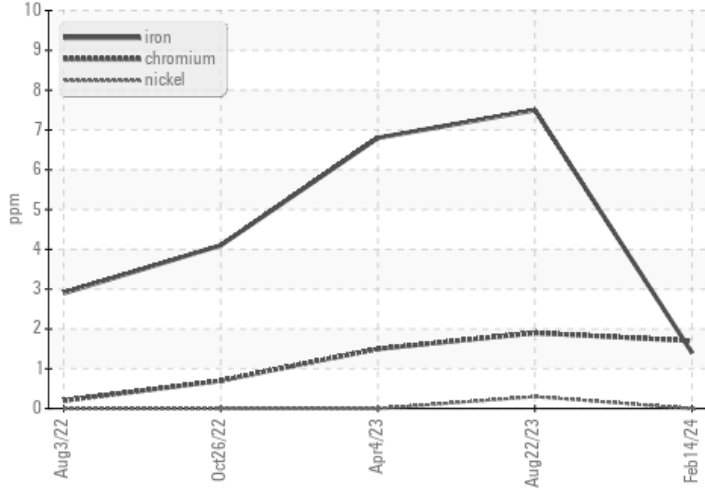


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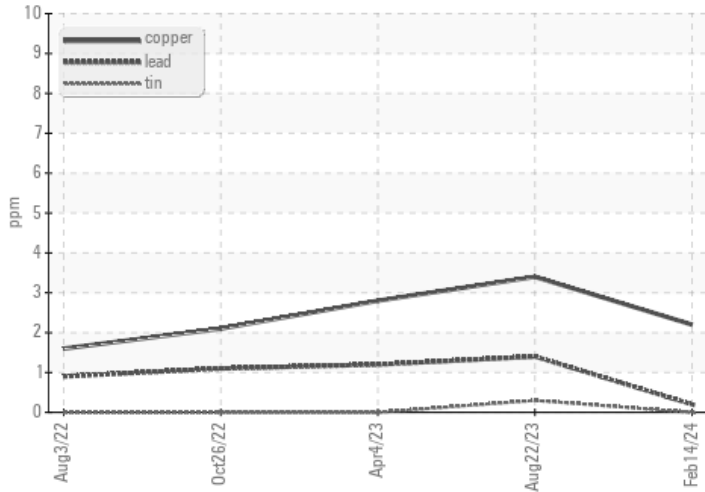


## VOLVO GRAPHS

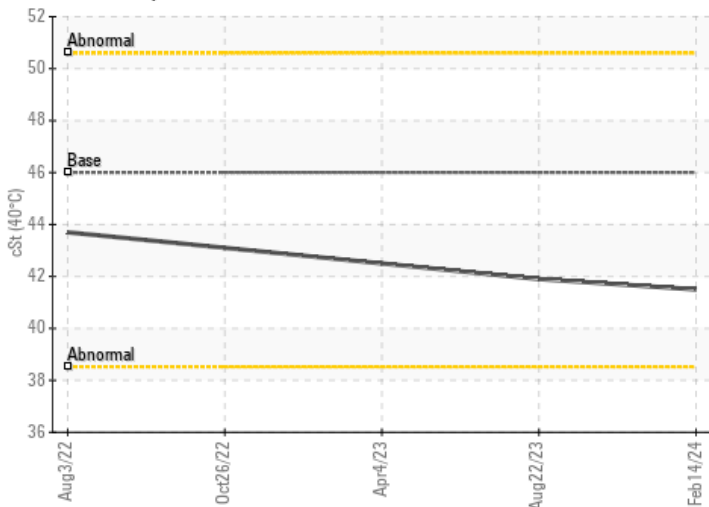
### Ferrous Alloys



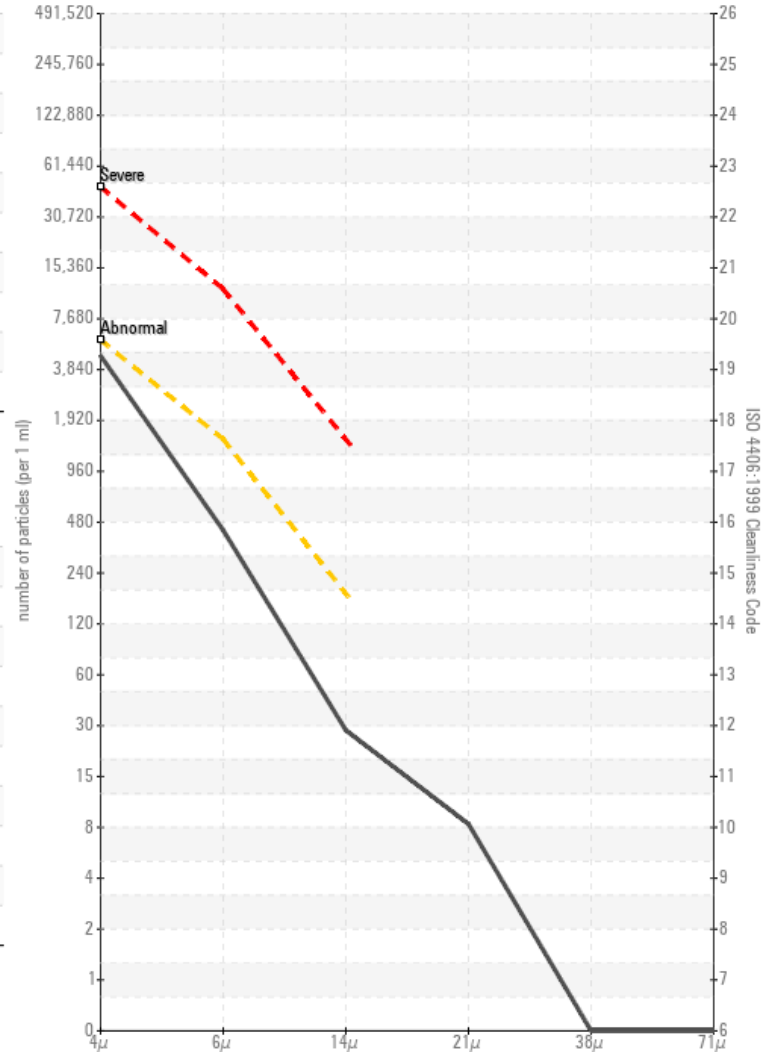
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

