



# CONSTRUCTION EQUIPMENT

## SPM606017 VOLVO L120H 632860 - HYDRAULIC SYSTEM



**Sample No:** VCP432770  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM606017



### SAMPLE INFORMATION

Sample Number	<b>VCP432770</b>	VCP411727	VCP397641	VCP376994
Sample Date	<b>06 Sep 2023</b>	06 Jun 2023	08 Feb 2023	16 Jul 2022
Machine Hours	<b>5768</b>	4936	4349	3246
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Not Changd	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	ATTENTION

**ORANGE COUNTY SOLID WASTE**  
 5901 YOUNG PINE ROAD  
 ORLANDO, FL  
 US 32829  
 Contact: MICHAEL BEEBE  
 michael.beebe@ocfl.net  
 T: (407)836-6652  
 F: (407)836-6650



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.1</b>	42.3	41.3	41.6
Acid Number (AN)	mg KOH/g	<b>0.42</b>	0.42	0.40	0.46



### CONTAMINATION

Particles >4µm	<b>1592</b>	3593	7473	5705	
Particles >6µm	<b>175</b>	800	630	717	
Particles >14µm	<b>8</b>	54	13	44	
ISO 4406:1999 (c)	<b>18/15/10</b>	19/17/13	20/16/11	20/17/13	
Silicon	ppm	<b>3</b>	3	4	4
Sodium	ppm	<b>3</b>	3	2	<1
Potassium	ppm	<b>&lt;1</b>	1	3	3

### 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	<b>7</b>	7	13	11
Copper	ppm	<b>2</b>	1	3	3
Lead	ppm	<b>&lt;1</b>	0	2	2
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	0	0	<1
Chromium	ppm	<b>1</b>	1	2	2
Molybdenum	ppm	<b>&lt;1</b>	1	2	2
Nickel	ppm	<b>0</b>	0	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>107</b>	107	145	149
Magnesium	ppm	<b>2</b>	5	8	8
Zinc	ppm	<b>445</b>	474	445	454
Phosphorus	ppm	<b>373</b>	376	336	350
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	<1	0	2

**Depot:** ORAORL  
**Unique No:** 10647278  
**Signed:** Wes Davis  
**Report Date:** 16 Sep 2023

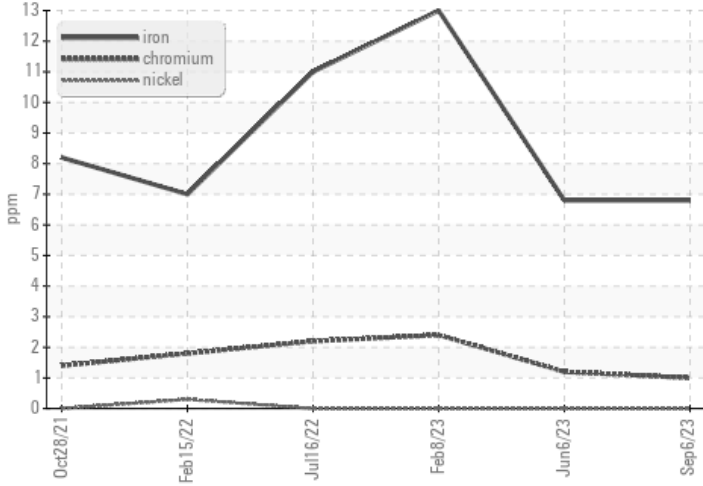


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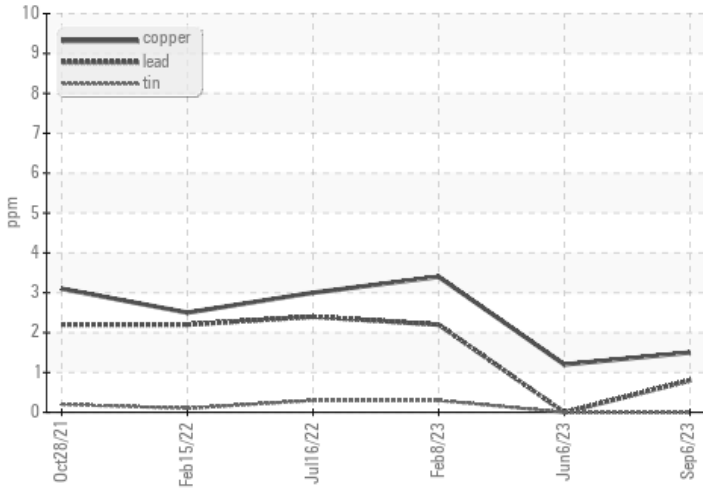


## GRAPHS

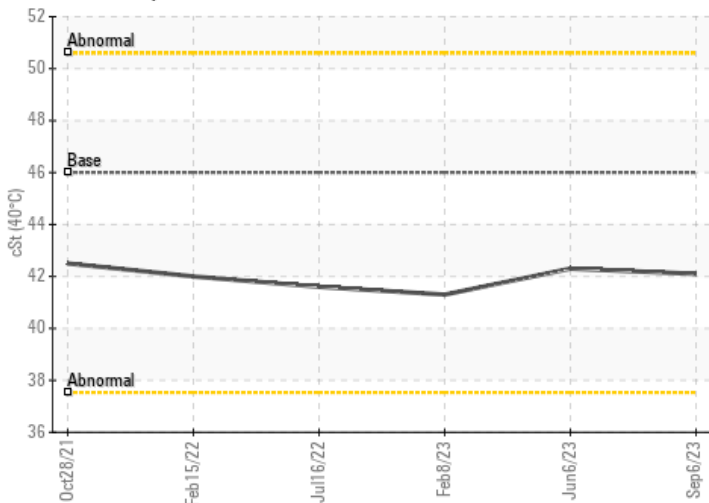
### Ferrous Alloys



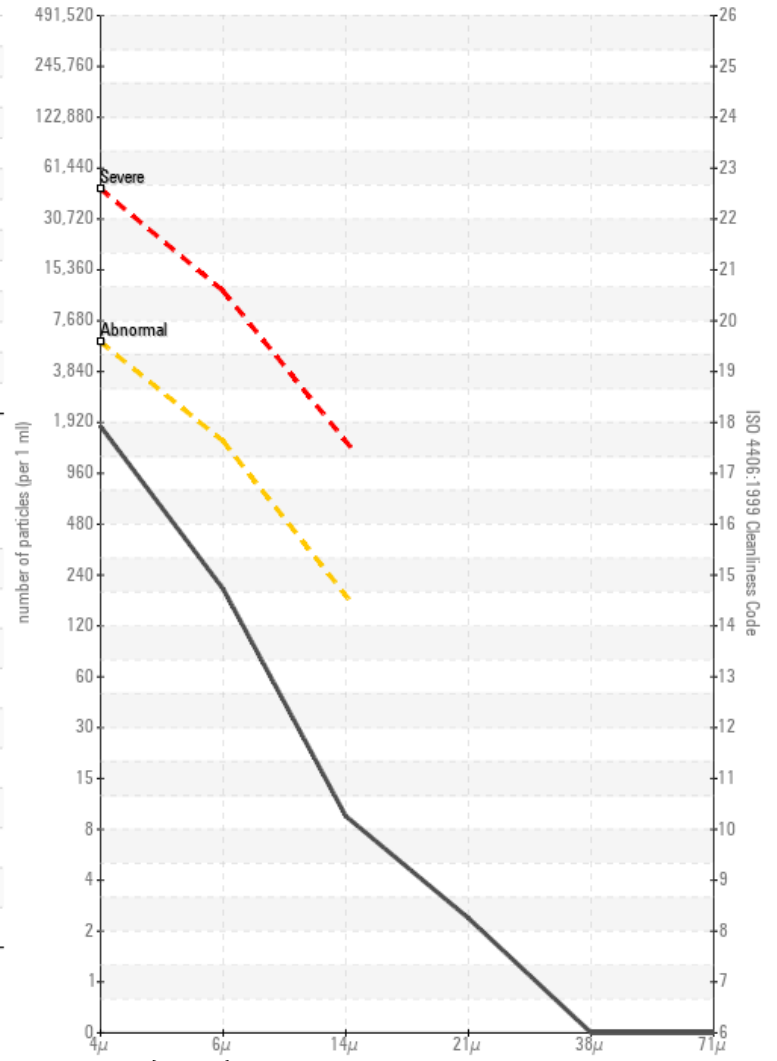
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

