



# CONSTRUCTION EQUIPMENT

## SPM579504 WASTE MGMT VOLVO L70H 622630 - HYDRAULIC SYSTEM



**Sample No:** VCP417720  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM579504 WASTE MGMT



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### SAMPLE INFORMATION

Sample Number	<b>VCP417720</b>	VCP405129	VCP398069	VCP369985
Sample Date	<b>07 Jul 2023</b>	03 Apr 2023	10 Feb 2023	19 Oct 2022
Machine Hours	<b>10741</b>	9826	9322	8886
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changd</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.2</b>	42.0	42.2	42.4
Acid Number (AN)	mg KOH/g	<b>0.42</b>	0.47	0.38	0.42



### CONTAMINATION

Particles >4µm		<b>285</b>	414	1492	2158
Particles >6µm		<b>52</b>	107	468	418
Particles >14µm		<b>7</b>	12	54	50
ISO 4406:1999 (c)		<b>15/13/10</b>	16/14/11	18/16/13	18/16/13
Silicon	ppm	<b>3</b>	4	3	4
Sodium	ppm	<b>5</b>	5	5	5
Potassium	ppm	<b>0</b>	1	0	0



### WEAR METALS

Iron	ppm	<b>15</b>	12	12	11
Copper	ppm	<b>2</b>	<1	1	1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	0	0	0
Chromium	ppm	<b>&lt;1</b>	<1	<1	0
Molybdenum	ppm	<b>2</b>	2	2	3
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>0</b>	<1	0	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	<1



### ADDITIVES

Calcium	ppm	<b>283</b>	307	297	347
Magnesium	ppm	<b>7</b>	10	7	8
Zinc	ppm	<b>483</b>	503	454	560
Phosphorus	ppm	<b>402</b>	408	377	446
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>3</b>	4	4	<1

### 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.

**Depot:** VOLVO0093  
**Unique No:** 10551889  
**Signed:** Wes Davis  
**Report Date:** 13 Jul 2023

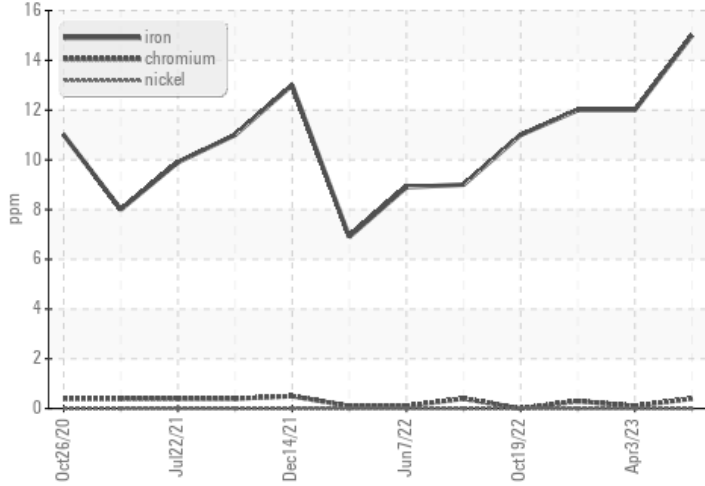


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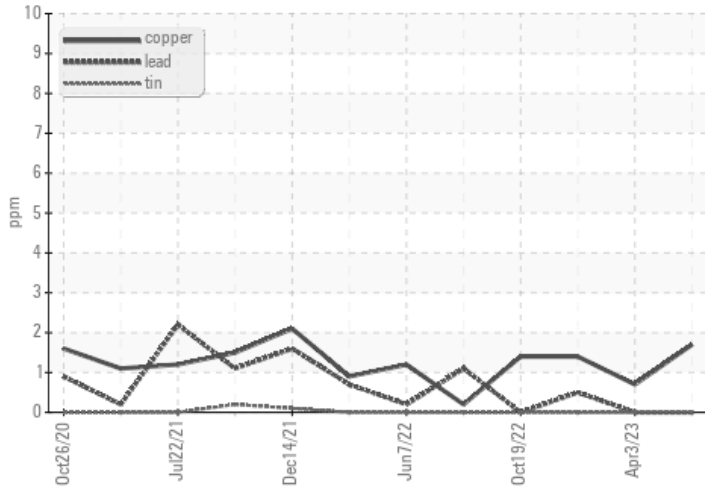


## VOLVO GRAPHS

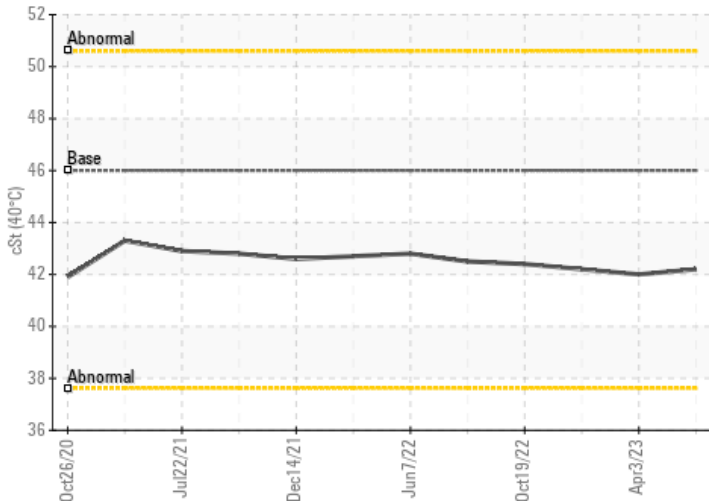
Ferrous Alloys



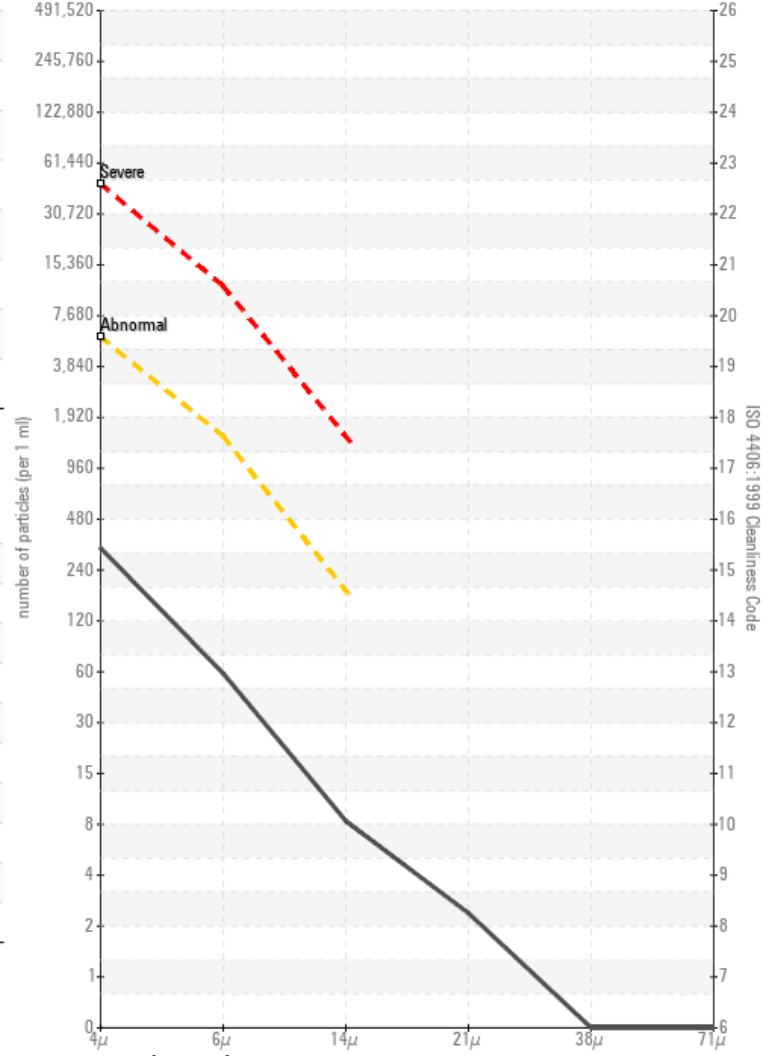
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

