



# CONSTRUCTION EQUIPMENT

## 702593 5729 VOLVO L180H 5729 - HYDRAULIC SYSTEM



**Sample No:** VCP449811  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 702593



### SAMPLE INFORMATION

Sample Number	<b>VCP449811</b>	VCP446626	VCP432670	VCP419012
Sample Date	<b>22 Apr 2024</b>	13 Feb 2024	04 Dec 2023	11 Oct 2023
Machine Hours	<b>3545</b>	2754	2153	1427
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>ATTENTION</b>	ABNORMAL	ATTENTION	ABNORMAL

**TRADEMARK METALS RECYCLING - SUTTON**  
 5220 DOVER STREET  
 TAMPA, FL  
 US 33619  
 Contact: RYAN BOWDEN



### OIL CONDITION

Visc @ 40°C	cSt	<b>41.5</b>	41.9	41.6	41.9
Acid Number (AN)	mg KOH/g	<b>0.21</b>	0.39	0.39	0.37

T:  
 F: (813)677-3007



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>5372</b>	11319	7653	---
Particles >6µm		<b>1161</b>	3121	1567	---
Particles >14µm		<b>75</b>	296	82	---
ISO 4406:1999 (c)		<b>20/17/13</b>	21/19/15	20/18/14	---
Silicon	ppm	<b>0</b>	1	<1	2
Sodium	ppm	<b>2</b>	1	3	1
Potassium	ppm	<b>0</b>	1	0	0

### 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	<b>3</b>	1	0	2
Copper	ppm	<b>2</b>	1	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	<1
Chromium	ppm	<b>1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	0	0	0
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>	0	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>55</b>	41	49	39
Magnesium	ppm	<b>&lt;1</b>	0	0	0
Zinc	ppm	<b>414</b>	420	422	401
Phosphorus	ppm	<b>322</b>	323	316	305
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** TRATAMFL  
**Unique No:** 11004999  
**Signed:** Wes Davis  
**Report Date:** 01 May 2024

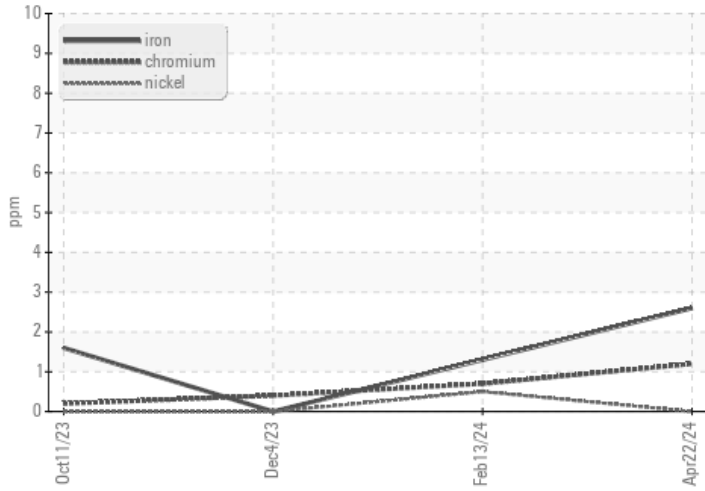


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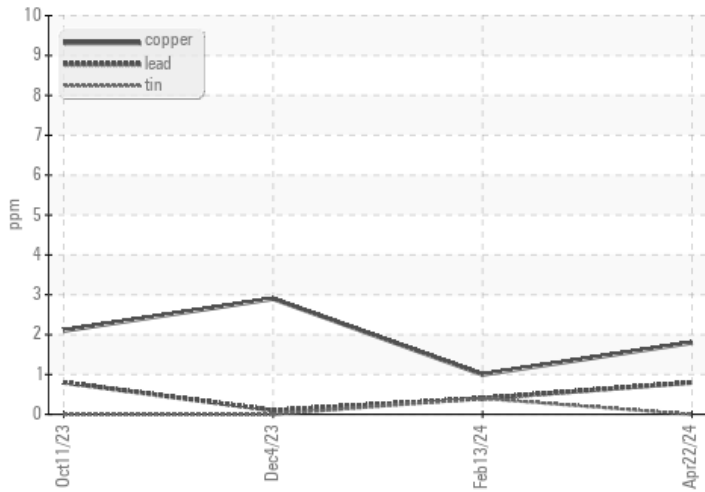


## VOLVO GRAPHS

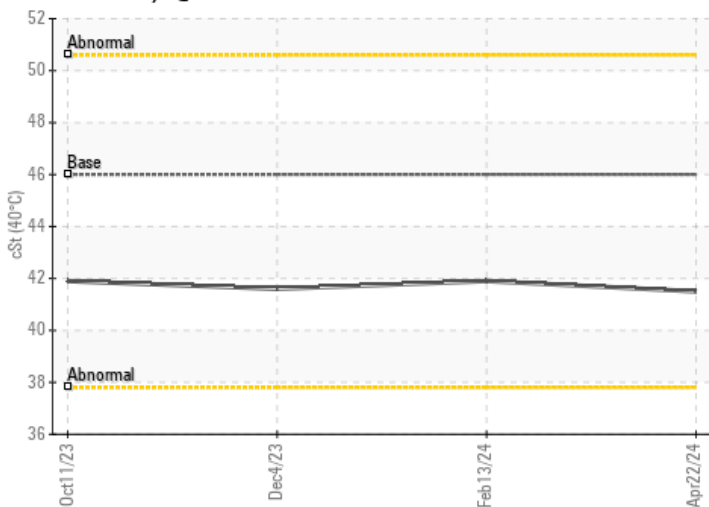
### Ferrous Alloys



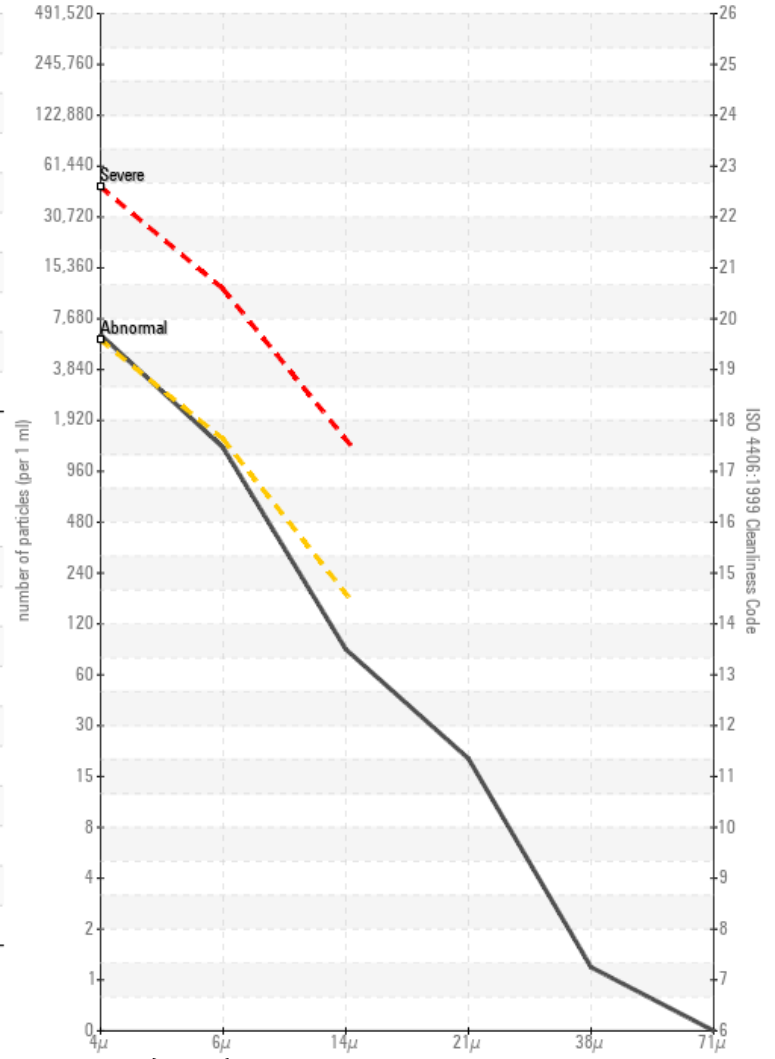
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

