



# CONSTRUCTION EQUIPMENT

## SWO066126 VOLVO A30G 752673 - HYDRAULIC SYSTEM



**Sample No:** VCP435433  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SWO066126



### SAMPLE INFORMATION

Sample Number	<b>VCP435433</b>	VCP423987	VCP383827	---
Sample Date	<b>27 Sep 2023</b>	23 Jun 2023	02 Dec 2022	---
Machine Hours	<b>1495</b>	987	490	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>44.1</b>	44.8	45.1	---
Acid Number (AN)	mg KOH/g	<b>0.40</b>	0.41	0.42	---

### CONTAMINATION

Particles >4µm		<b>7370</b>	4661	14935	---
Particles >6µm		<b>1823</b>	1726	6368	---
Particles >14µm		<b>107</b>	98	284	---
ISO 4406:1999 (c)		<b>20/18/14</b>	19/18/14	21/20/15	---
Silicon	ppm	<b>3</b>	3	2	---
Sodium	ppm	<b>0</b>	2	0	---
Potassium	ppm	<b>&lt;1</b>	1	0	---

**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>5</b>	2	2	---
Copper	ppm	<b>3</b>	3	2	---
Lead	ppm	<b>2</b>	2	<1	---
Tin	ppm	<b>&lt;1</b>	<1	0	---
Aluminum	ppm	<b>0</b>	0	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	0	---
Molybdenum	ppm	<b>&lt;1</b>	<1	0	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>0</b>	<1	0	---
Vanadium	ppm	<b>0</b>	0	0	---

### ADDITIVES

Calcium	ppm	<b>57</b>	52	66	---
Magnesium	ppm	<b>&lt;1</b>	7	0	---
Zinc	ppm	<b>441</b>	400	392	---
Phosphorus	ppm	<b>318</b>	311	314	---
Barium	ppm	<b>0</b>	2	0	---
Boron	ppm	<b>0</b>	0	0	---

**Depot:** SAIBIR  
**Unique No:** 10672760  
**Signed:** Don Baldrige  
**Report Date:** 03 Oct 2023

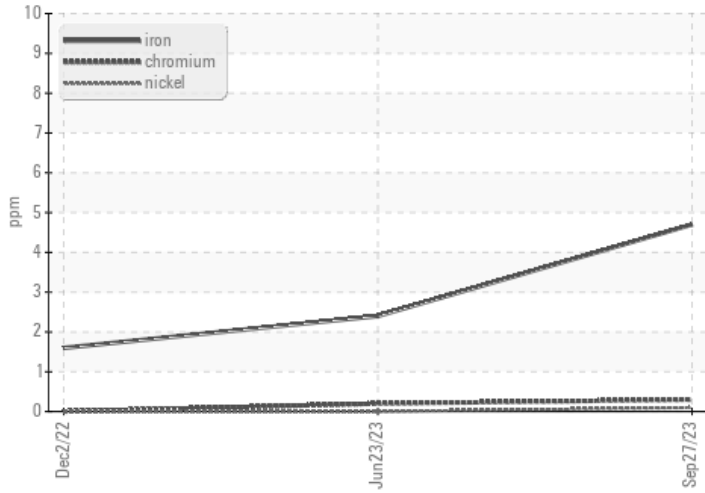


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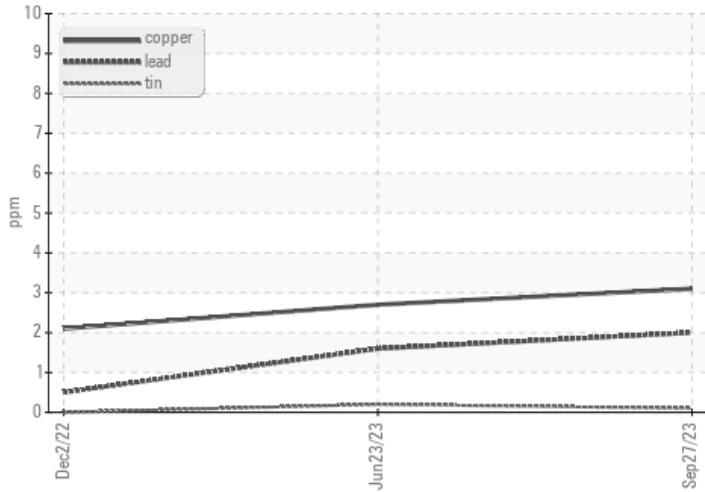


## GRAPHS

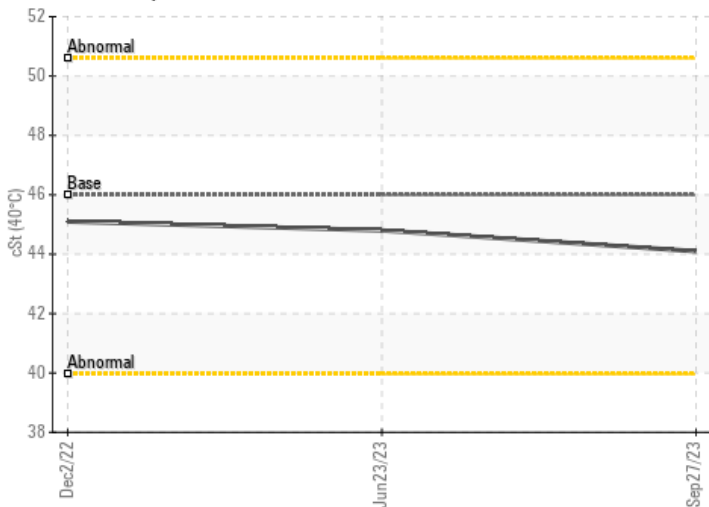
### Ferrous Alloys



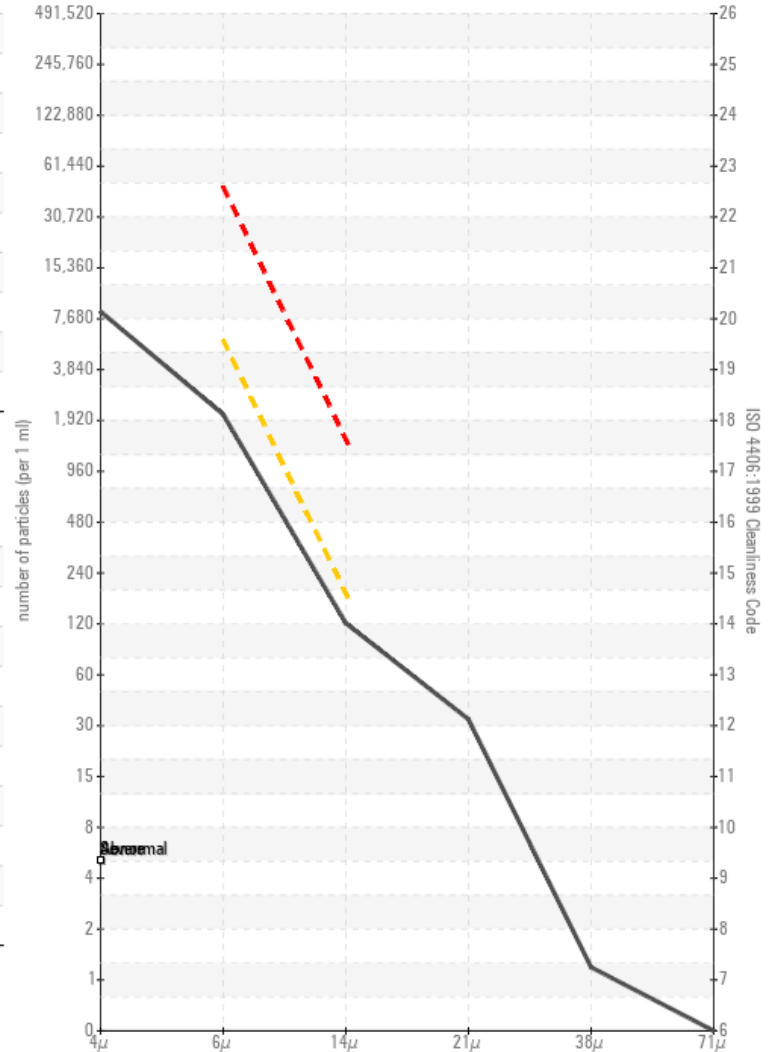
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

