



# CONSTRUCTION EQUIPMENT

## SWO063883 VOLVO A60H 350067 - HYDRAULIC SYSTEM



**Sample No:** VCP413246  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SWO063883



### SAMPLE INFORMATION

Sample Number	<b>VCP413246</b>	VCP410131	VCP388703	VCP366420
Sample Date	<b>12 Jul 2023</b>	31 Mar 2023	09 Nov 2022	02 Aug 2022
Machine Hours	<b>5889</b>	5382	4893	4363
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	NORMAL

### SAIIA CONSTRUCTION LLC

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.9</b>	43.1	43.3	43.6
Acid Number (AN)	mg KOH/g	<b>0.40</b>	0.40	0.47	0.26



### CONTAMINATION

Particles >4µm		<b>1232</b>	1289	2185	999
Particles >6µm		<b>248</b>	438	798	241
Particles >14µm		<b>21</b>	38	84	22
ISO 4406:1999 (c)		<b>17/15/12</b>	17/16/12	18/17/14	17/15/12
Silicon	ppm	<b>4</b>	5	3	4
Sodium	ppm	<b>2</b>	0	2	1
Potassium	ppm	<b>&lt;1</b>	<1	0	<1

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	<b>13</b>	11	8	7
Copper	ppm	<b>4</b>	4	4	3
Lead	ppm	<b>1</b>	2	2	2
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>3</b>	2	2	2
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
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>&lt;1</b>	0	0	0
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>64</b>	57	58	56
Magnesium	ppm	<b>9</b>	8	7	10
Zinc	ppm	<b>482</b>	444	399	441
Phosphorus	ppm	<b>369</b>	342	339	350
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	<1

**Depot:** SAIBIR  
**Unique No:** 10561191  
**Signed:** Don Baldrige  
**Report Date:** 18 Jul 2023

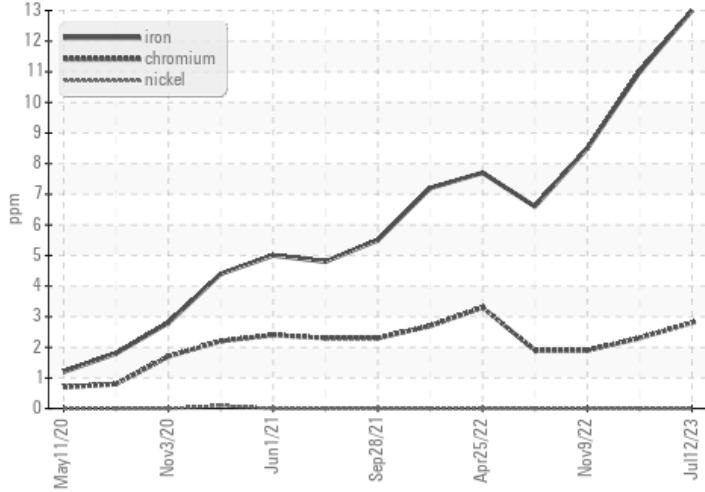


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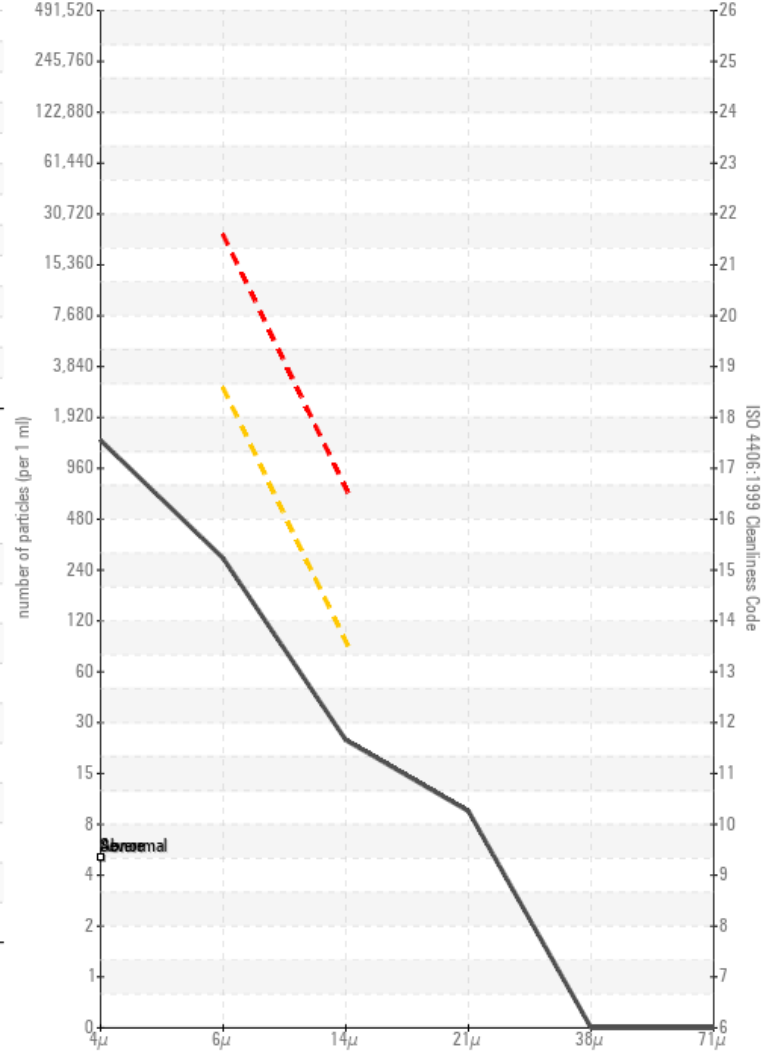


## VOLVO GRAPHS

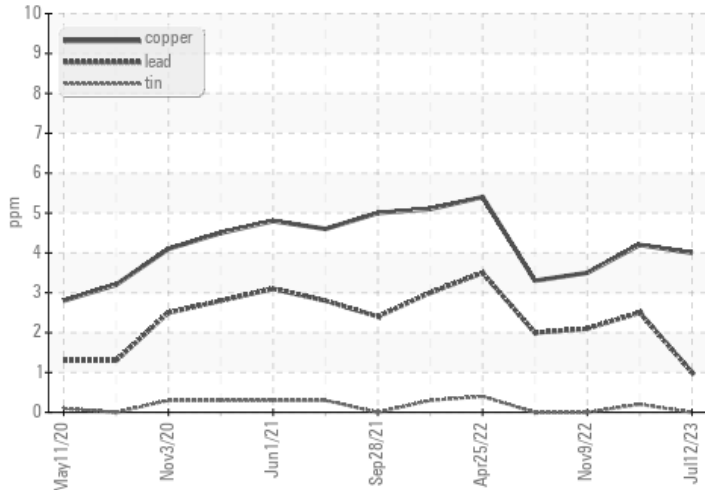
Ferrous Alloys



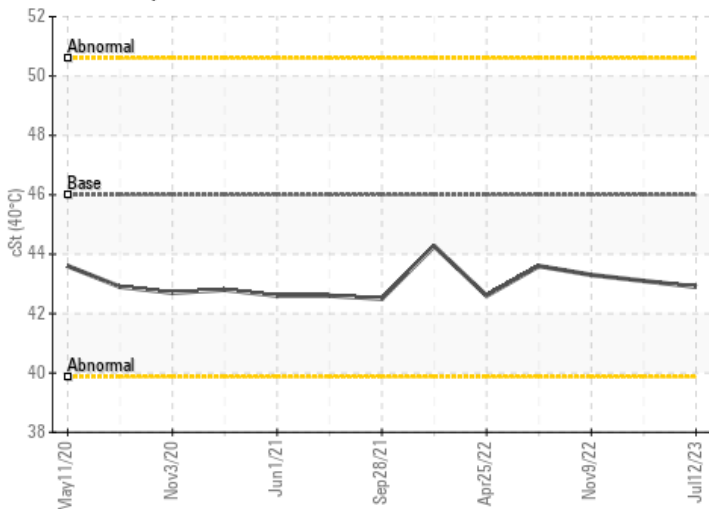
Particle Count



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

