



# CONSTRUCTION EQUIPMENT

## 593964 C&C ALJON 600 30126 - HYDRAULIC SYSTEM



**Sample No:** VCP412424  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 593964 C&C



### SAMPLE INFORMATION

Sample Number	<b>VCP412424</b>	VCP413189	VCP342284	VCP399706
Sample Date	<b>09 Aug 2023</b>	14 Jun 2023	16 May 2023	01 Mar 2023
Machine Hours	<b>3146</b>	2756	2553	2104
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	ATTENTION	ATTENTION	ABNORMAL

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>38.2</b>	35.7	36.77	45.3
Acid Number (AN)	mg KOH/g	<b>0.51</b>	0.45	0.41	0.39

### CONTAMINATION

Particles >4µm		<b>8030</b>	1824	2645	14551
Particles >6µm		<b>1903</b>	677	689	3507
Particles >14µm		<b>264</b>	107	43	109
ISO 4406:1999 (c)		<b>20/18/15</b>	18/17/14	19/17/13	21/19/14
Silicon	ppm	<b>6</b>	1	2	2
Sodium	ppm	<b>0</b>	0	2	2
Potassium	ppm	<b>1</b>	2	2	0

### Diagnosis

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 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>11</b>	8	6	<1
Copper	ppm	<b>20</b>	18	15	0
Lead	ppm	<b>&lt;1</b>	<1	<1	0
Tin	ppm	<b>1</b>	1	1	0
Aluminum	ppm	<b>&lt;1</b>	0	<1	<1
Chromium	ppm	<b>&lt;1</b>	0	<1	0
Molybdenum	ppm	<b>5</b>	1	2	<1
Nickel	ppm	<b>&lt;1</b>	0	<1	<1
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>&lt;1</b>	0	<1	0
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>180</b>	91	98	56
Magnesium	ppm	<b>24</b>	7	16	2
Zinc	ppm	<b>557</b>	469	479	408
Phosphorus	ppm	<b>438</b>	363	398	298
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>5</b>	0	1	0

**Depot:** VOLVO0096  
**Unique No:** 10604740  
**Signed:** Wes Davis  
**Report Date:** 16 Aug 2023

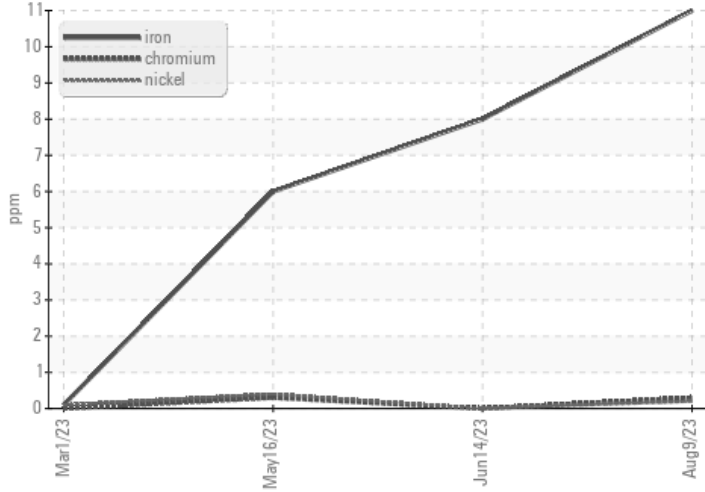


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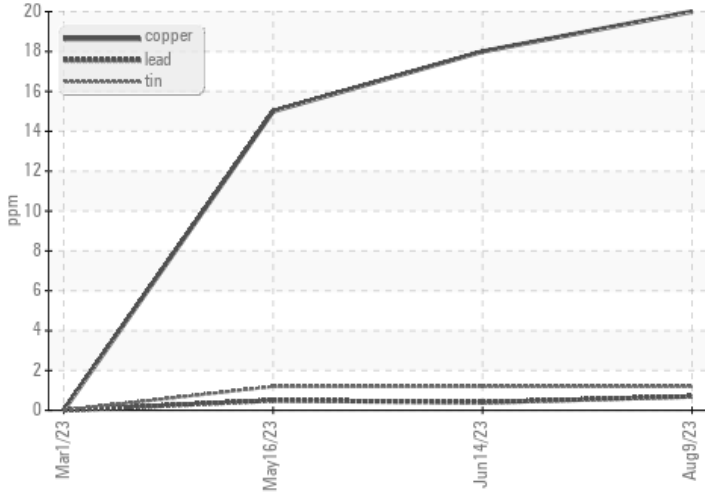


## VOLVO GRAPHS

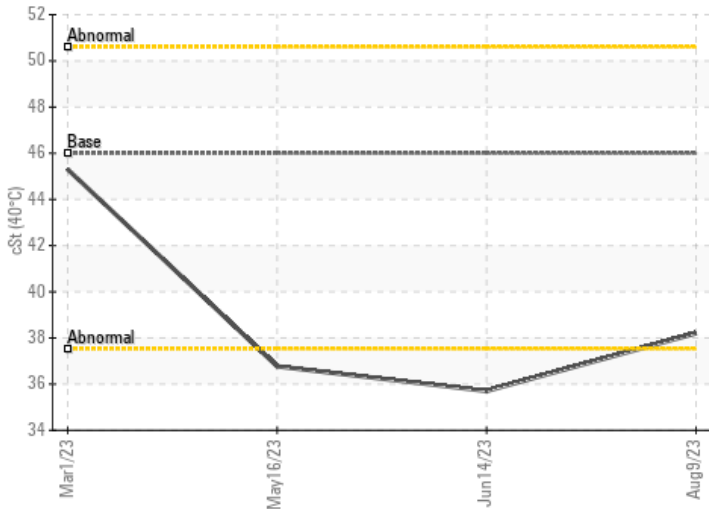
Ferrous Alloys



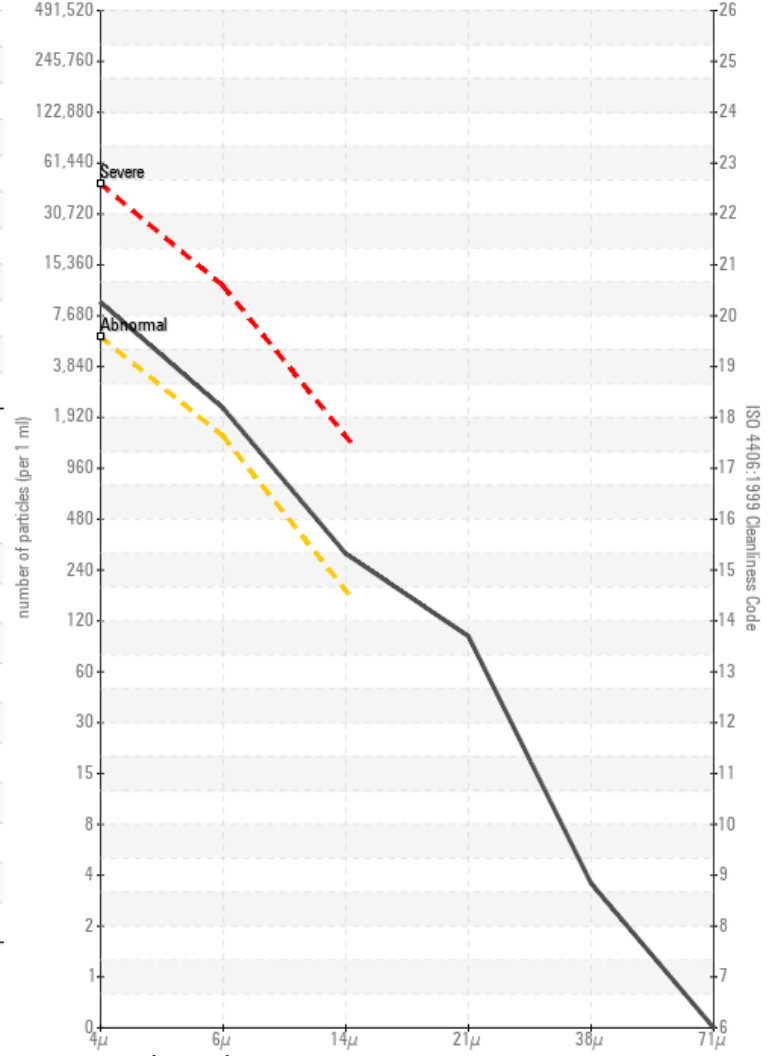
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

