



# CONSTRUCTION EQUIPMENT

## 703547 VOLVO A30 753369 - HYDRAULIC SYSTEM



**Sample No:** VCP449766  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 703547



### SAMPLE INFORMATION

Sample Number	<b>VCP449766</b>	VCP441510	VCP437667	VCP432913
Sample Date	<b>30 Apr 2024</b>	12 Mar 2024	04 Jan 2024	23 Oct 2023
Machine Hours	<b>2297</b>	1941	1486	1052
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**BLUE GOOSE GROWERS**  
 16059 W ORANGE AVE  
 FT PIERCE, FL  
 US 34945  
 Contact: SERVICE MANAGER

### OIL CONDITION

Visc @ 40°C	cSt	<b>43.2</b>	43.5	43.5	43.8
Acid Number (AN)	mg KOH/g	<b>0.42</b>	0.69	0.40	0.41

T: (772)461-3020  
 F:

### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	NEG
Particles >4µm		<b>3068</b>	5702	2354	3905
Particles >6µm		<b>751</b>	1252	512	916
Particles >14µm		<b>68</b>	106	40	50
ISO 4406:1999 (c)		<b>19/17/13</b>	20/17/14	18/16/12	19/17/13
Silicon	ppm	<b>4</b>	5	4	4
Sodium	ppm	<b>2</b>	1	1	0
Potassium	ppm	<b>0</b>	0	0	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>4</b>	4	3	<1
Copper	ppm	<b>3</b>	3	3	2
Lead	ppm	<b>0</b>	2	1	1
Tin	ppm	<b>0</b>	<1	0	0
Aluminum	ppm	<b>0</b>	0	0	<1
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>0</b>	0	0	0
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>63</b>	62	58	62
Magnesium	ppm	<b>0</b>	0	0	4
Zinc	ppm	<b>385</b>	413	398	456
Phosphorus	ppm	<b>309</b>	325	284	344
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	0

**Depot:** BLUFOR  
**Unique No:** 11009030  
**Signed:** Wes Davis  
**Report Date:** 06 May 2024

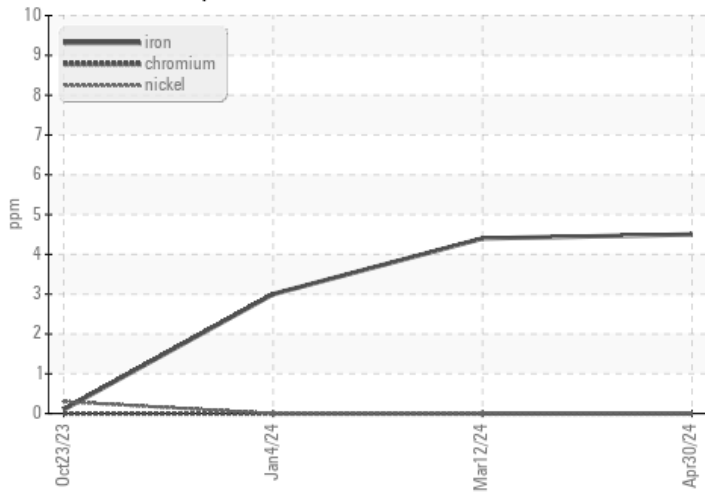


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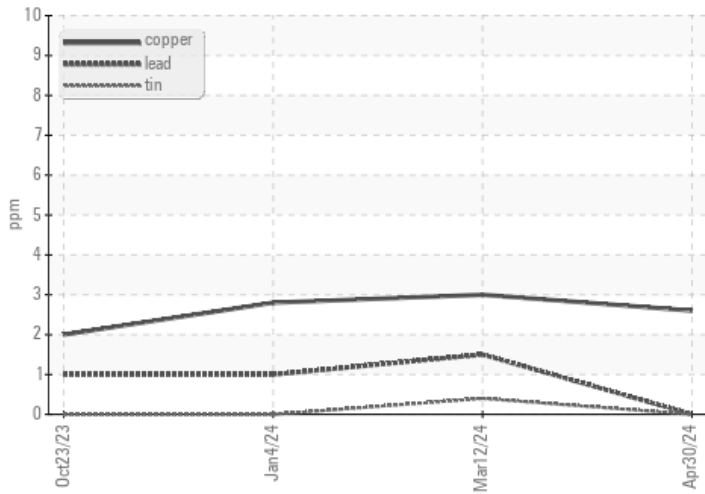


## GRAPHS

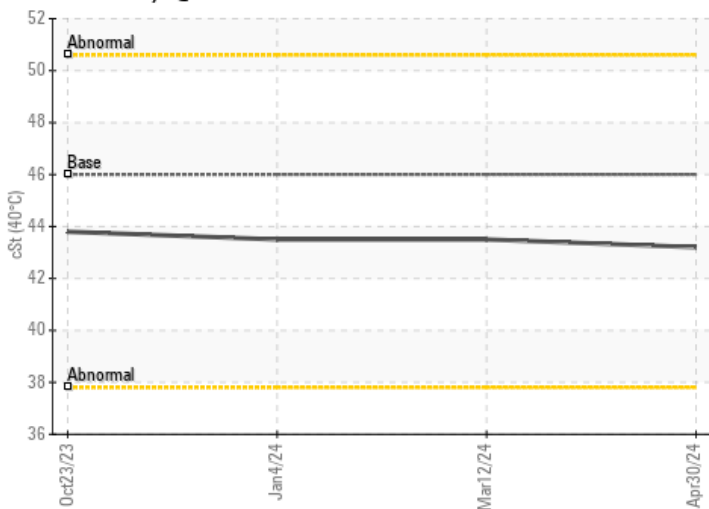
### Ferrous Alloys



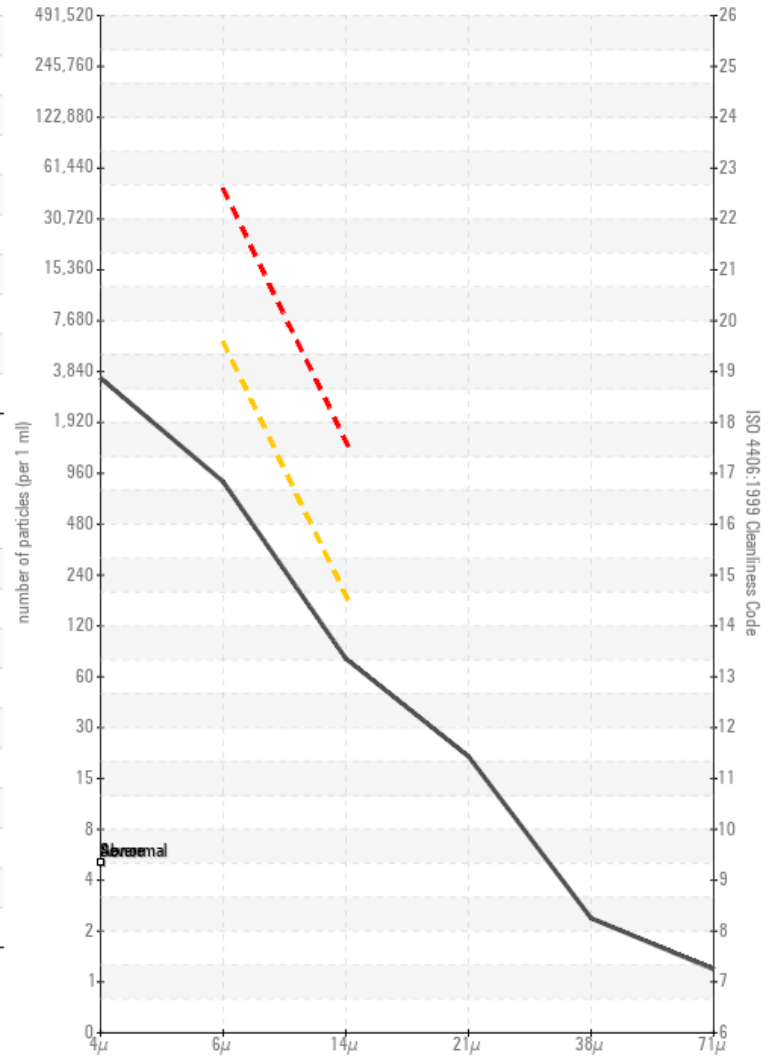
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

