



# CONSTRUCTION EQUIPMENT

## 646432 VOLVO A30G 753001 - HYDRAULIC SYSTEM



**Sample No:** VCP432377  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 646432



### SAMPLE INFORMATION

Sample Number	<b>VCP432377</b>	VCP411688	VCP425692	---
Sample Date	<b>12 Dec 2023</b>	18 Jul 2023	05 May 2023	---
Machine Hours	<b>1980</b>	999	510	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	43.5	44.0	---
Acid Number (AN)	mg KOH/g	<b>0.41</b>	0.42	0.39	---

T: (772)461-3020  
 F:



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>5647</b>	2915	3208	---
Particles >6µm		<b>1087</b>	716	588	---
Particles >14µm		<b>66</b>	49	17	---
ISO 4406:1999 (c)		<b>20/17/13</b>	19/17/13	19/16/11	---
Silicon	ppm	<b>4</b>	3	3	---
Sodium	ppm	<b>1</b>	2	6	---
Potassium	ppm	<b>2</b>	0	2	---

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



### ADDITIVES

Calcium	ppm	<b>63</b>	67	62	---
Magnesium	ppm	<b>2</b>	2	3	---
Zinc	ppm	<b>428</b>	422	436	---
Phosphorus	ppm	<b>325</b>	342	341	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	0	0	---

**Depot:** BLUFOR  
**Unique No:** 10791210  
**Signed:** Wes Davis  
**Report Date:** 18 Dec 2023

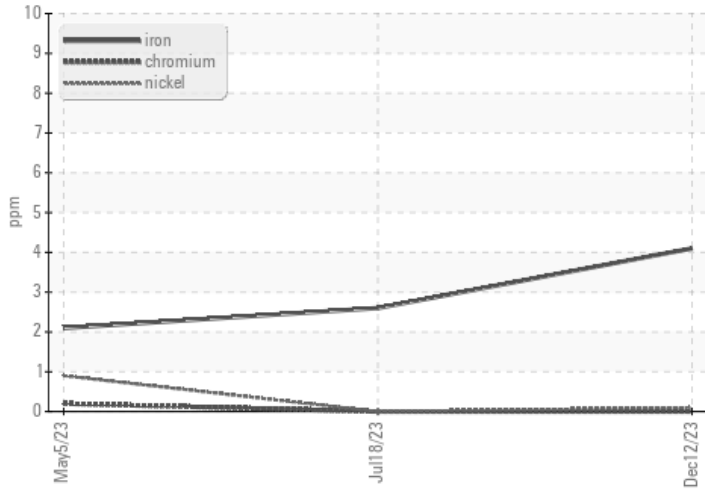


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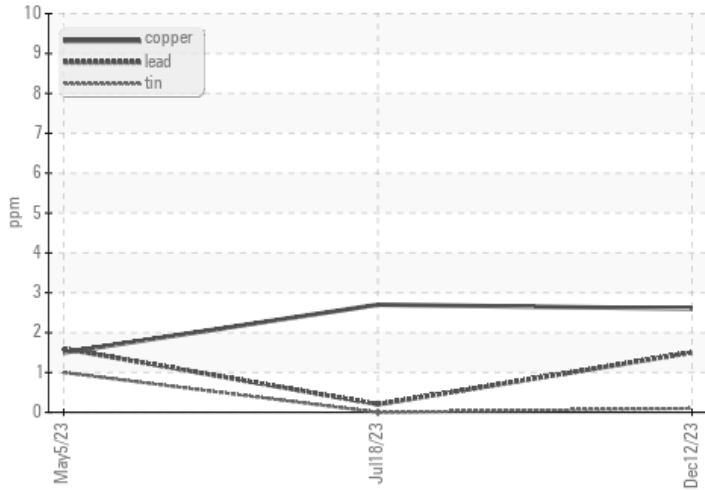


## GRAPHS

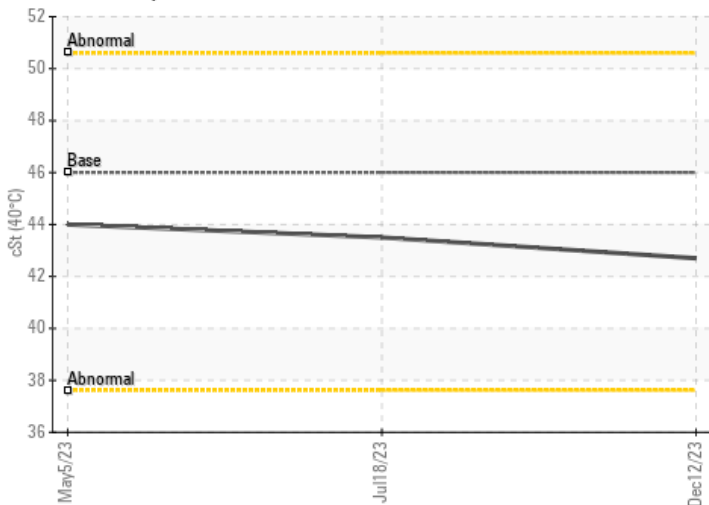
### Ferrous Alloys



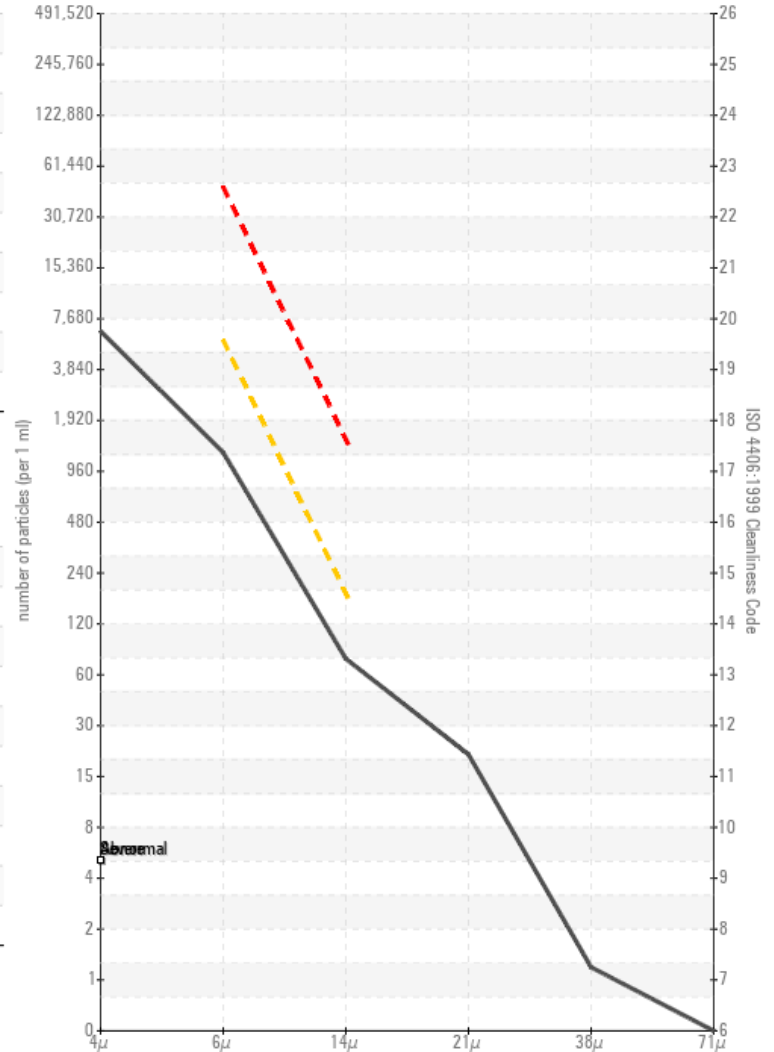
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

