



# CONSTRUCTION EQUIPMENT

## W14719 VOLVO A40G 352936 - HYDRAULIC SYSTEM



**Sample No:** VCP433545  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** W14719



### SAMPLE INFORMATION

Sample Number	<b>VCP433545</b>	VCP398352	VCP384184	---
Sample Date	<b>21 Sep 2023</b>	29 Dec 2022	31 Oct 2022	---
Machine Hours	<b>1954</b>	963	745	---
Oil Hours	<b>2000</b>	1000	500	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

**HOUSBY HEAVY EQUIPMENT, LLC**  
 4410 SE 4 MILE DR  
 ANKENY, IA  
 US 50021  
 Contact: RANDY VANDERLEEST  
 rvanderleest@housby.com  
 T:  
 F: (515)964-2865



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.2</b>	43.2	43.5	---
Acid Number (AN)	mg KOH/g	<b>0.37</b>	0.42	0.45	---



### CONTAMINATION

Particles >4µm		<b>13300</b>	19237	16004	---
Particles >6µm		<b>3228</b>	4175	3016	---
Particles >14µm		<b>74</b>	102	109	---
ISO 4406:1999 (c)		<b>21/19/13</b>	21/19/14	21/19/14	---
Silicon	ppm	<b>6</b>	5	5	---
Sodium	ppm	<b>&lt;1</b>	<1	0	---
Potassium	ppm	<b>0</b>	0	<1	---

### 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>	4	3	---
Copper	ppm	<b>3</b>	2	1	---
Lead	ppm	<b>1</b>	1	1	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>0</b>	<1	0	---
Chromium	ppm	<b>0</b>	0	0	---
Molybdenum	ppm	<b>0</b>	0	0	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	0	0	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>64</b>	59	59	---
Magnesium	ppm	<b>0</b>	0	<1	---
Zinc	ppm	<b>430</b>	453	470	---
Phosphorus	ppm	<b>343</b>	350	349	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>0</b>	0	0	---

**Depot:** VOLVO0080  
**Unique No:** 10662393  
**Signed:** Wes Davis  
**Report Date:** 27 Sep 2023

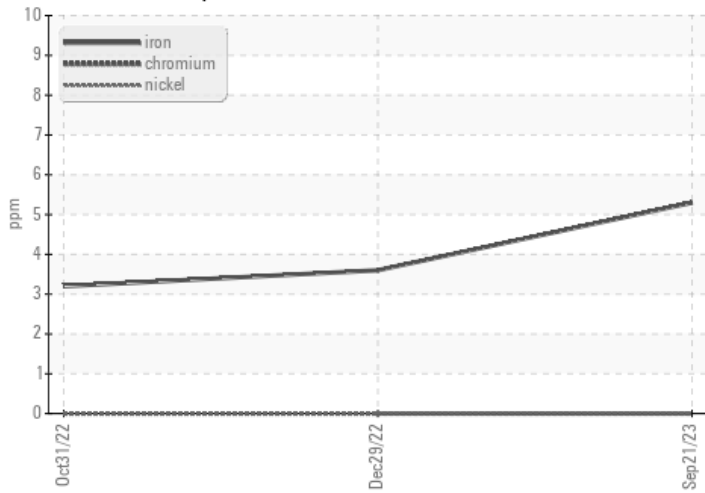


# CONSTRUCTION EQUIPMENT

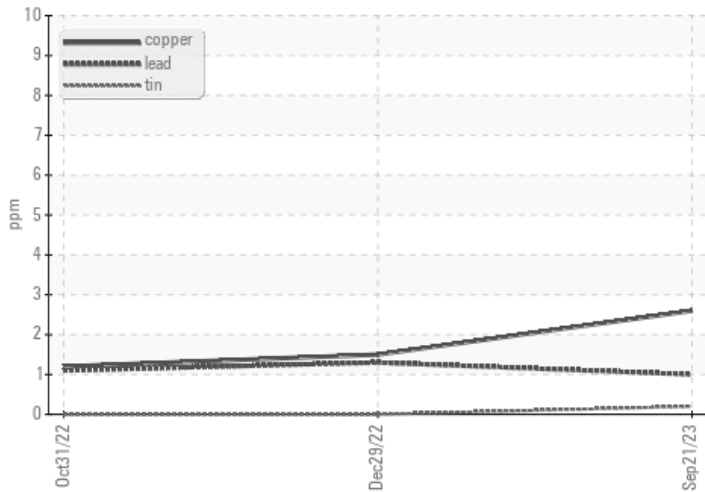


## GRAPHS

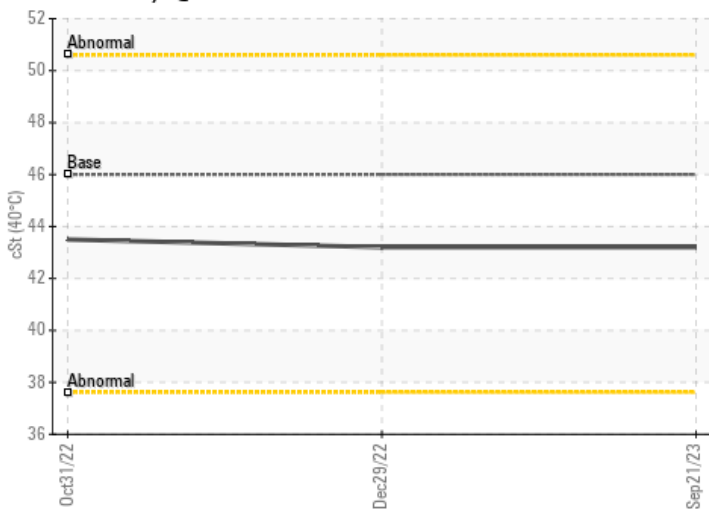
### Ferrous Alloys



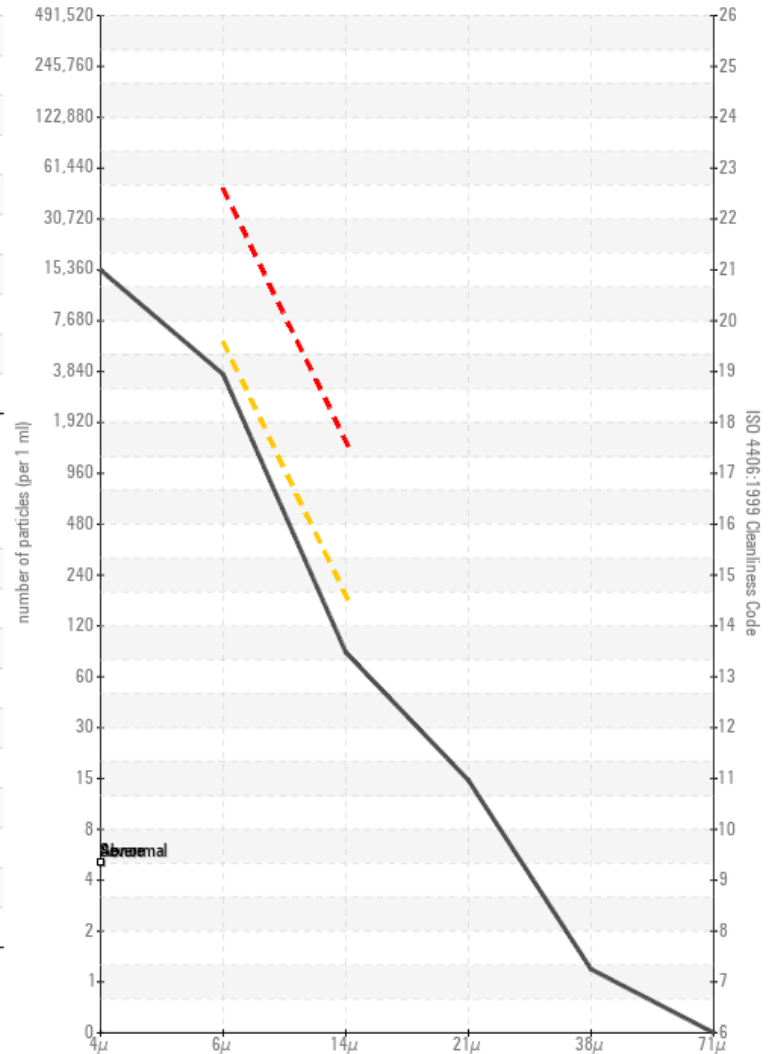
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

