



# CONSTRUCTION EQUIPMENT

## VOLVO 314148 - COOLANT



**Sample No:** VCP0008439

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP0008439	---	---	---
Sample Date	25 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Sample Status	NORMAL	---	---	---

### ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY  
JACKSONVILLE, FL  
US 32256

Contact: TECHNICIAN ACCOUNT  
catherine.anastasio@wearcheck.com

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F: (904)737-1260



### COOLANT CONDITION

pH	Scale 0-14	■ 8.16	---	---	---
Reserve Alkalinity	Scale 0-20	---	---	---	---
Nitrites	ppm	■ NT	---	---	---
Percentage Glycol	%	■ 41.3	---	---	---
Freezing Point	°C	■ -15	---	---	---

### Diagnosis

No corrective action is recommended at this time. The fluid is suitable for further service. There is no indication of any contamination in the coolant. Carboxylate test failed. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.



### CONTAMINATION

Coolant Appearance	normal	---	---	---
Coolant Color	Yllow	---	---	---

**Depot:** VOLVO0092  
**Unique No:** 11111533  
**Signed:** Jonathan Hester  
**Report Date:** 08 Jul 2024

Submitted By: TECHNICIAN ACCOUNT



# CONSTRUCTION EQUIPMENT

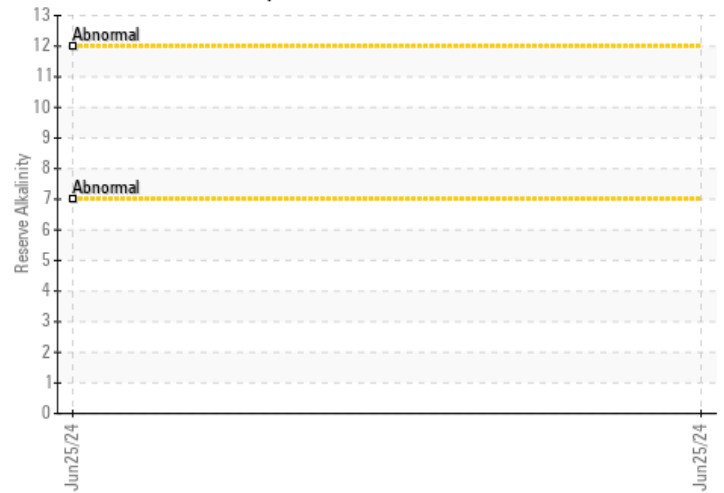


## GRAPHS

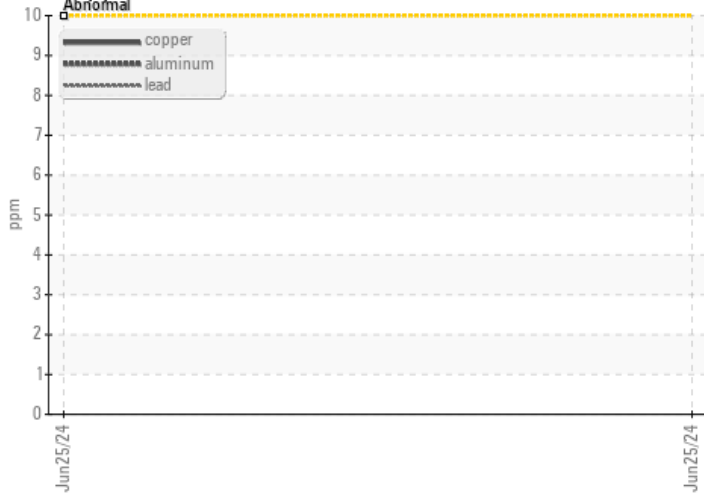
### Iron/Tin/Silver



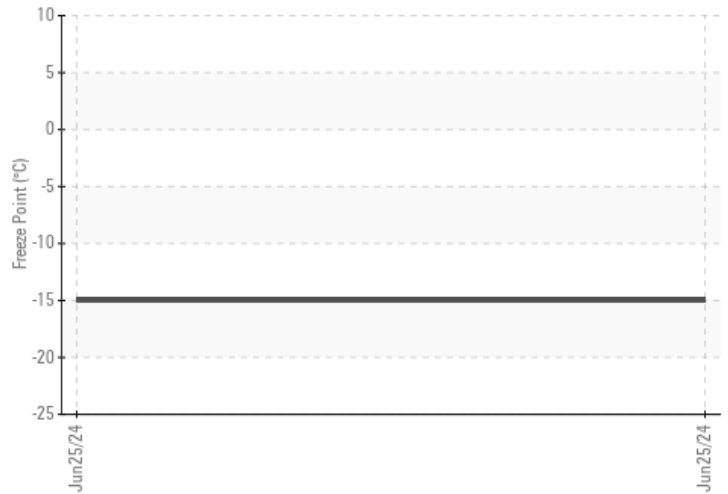
### Reserve Alkalinity



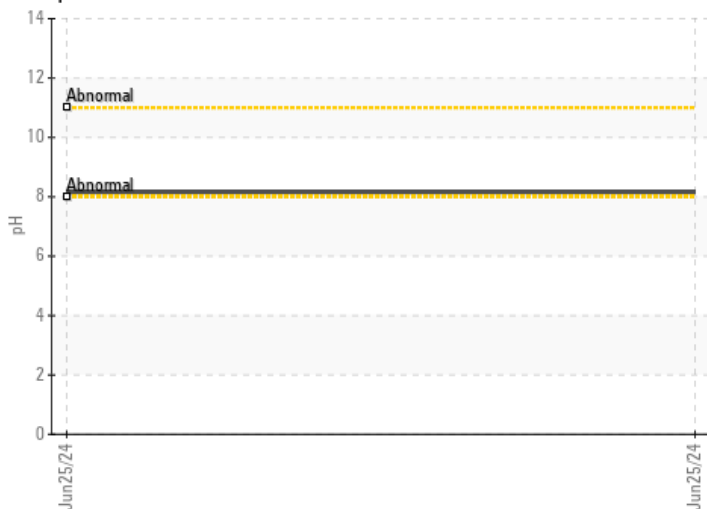
### Copper/Aluminum/Lead



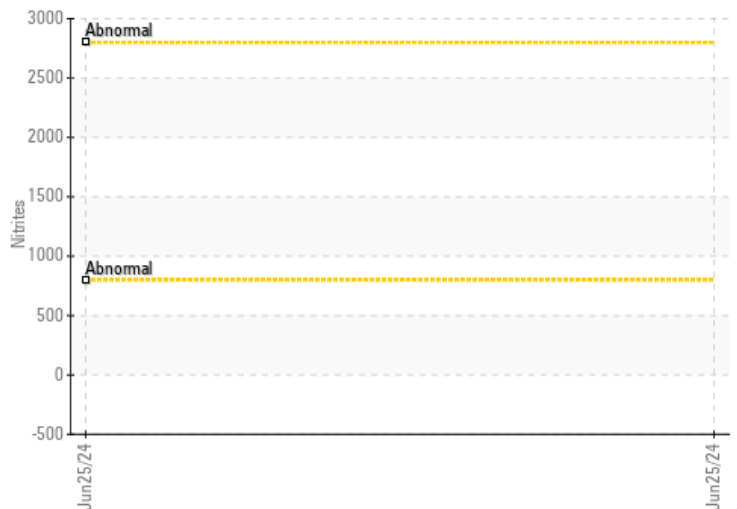
### Freeze Point



### pH



### Nitrites





# CONSTRUCTION EQUIPMENT

## VOLVO 314148 - DIESEL ENGINE



**Sample No:** VCP0008440

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP0008440	---	---	---
Sample Date	25 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### ALTA EQUIPMENT COMPANY

8750 PHILIPS HWY  
JACKSONVILLE, FL  
US 32256

Contact: SHAWN NORTHCRAFT  
shawn.northcraft@altg.com  
T: (904)737-6000  
F: (904)737-1260



### OIL CONDITION

Visc @ 100°C	cSt	█ 12.3	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	65	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	55	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.2	---	---	---
Silicon	ppm	█ 7	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



### WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 14	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 45	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

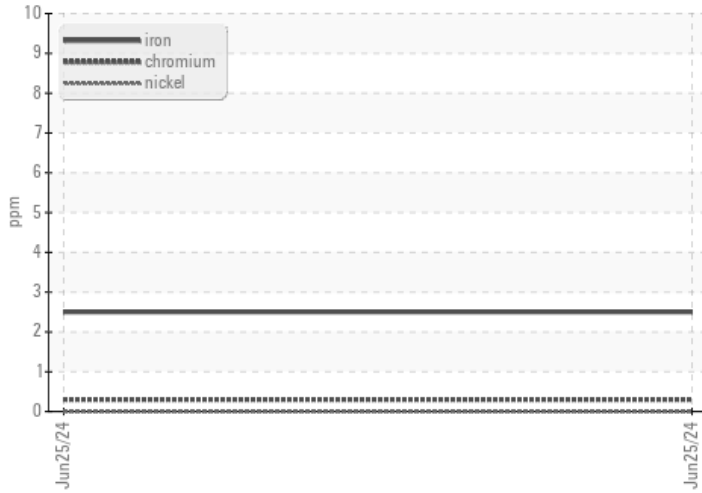
Calcium	ppm	█ 1350	---	---	---
Magnesium	ppm	█ 515	---	---	---
Zinc	ppm	█ 1014	---	---	---
Phosphorus	ppm	█ 846	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 61	---	---	---

**Depot:** VOLVO0092  
**Unique No:** 11110480  
**Signed:** Wes Davis  
**Report Date:** 08 Jul 2024

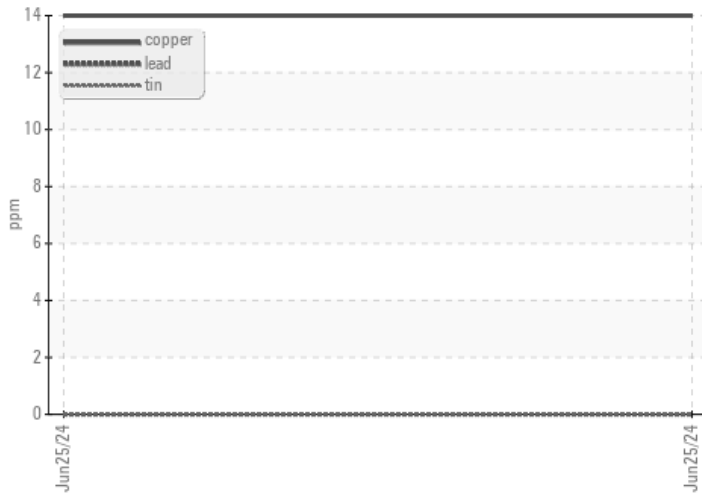


## GRAPHS

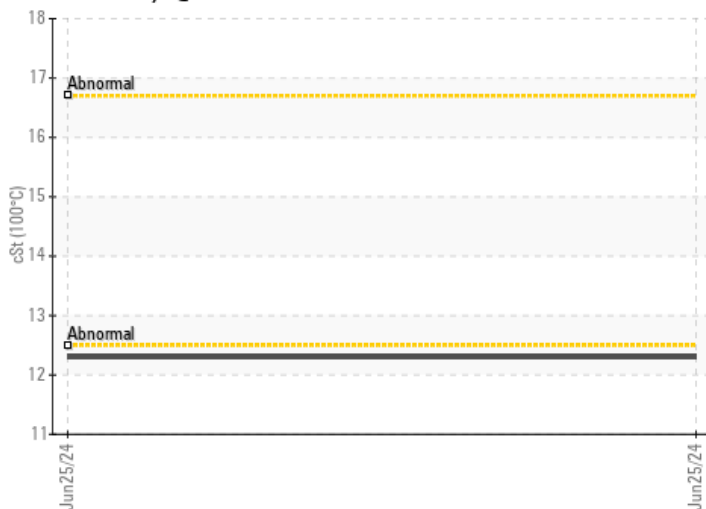
### Ferrous Alloys



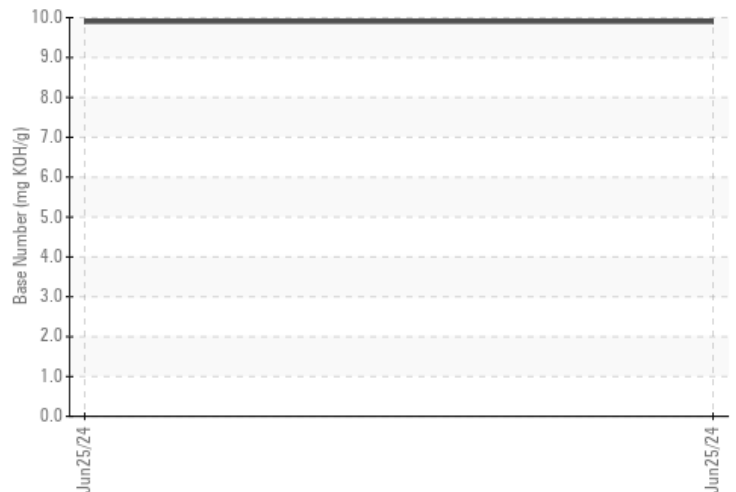
### Non-ferrous Metals



### Viscosity @ 100°C



### Base Number





# CONSTRUCTION EQUIPMENT

## VOLVO 314148 - HYDRAULIC SYSTEM



**Sample No:** VCP0008438

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP0008438	---	---	---
Sample Date	25 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 44.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.64	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 3937	---	---	---
Particles >6µm		█ 362	---	---	---
Particles >14µm		█ 37	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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	█ 5	---	---	---
Copper	ppm	█ 25	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	309	---	---	---
Magnesium	ppm	1	---	---	---
Zinc	ppm	530	---	---	---
Phosphorus	ppm	445	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** VOLVO0092  
**Unique No:** 11110830  
**Signed:** Wes Davis  
**Report Date:** 05 Jul 2024

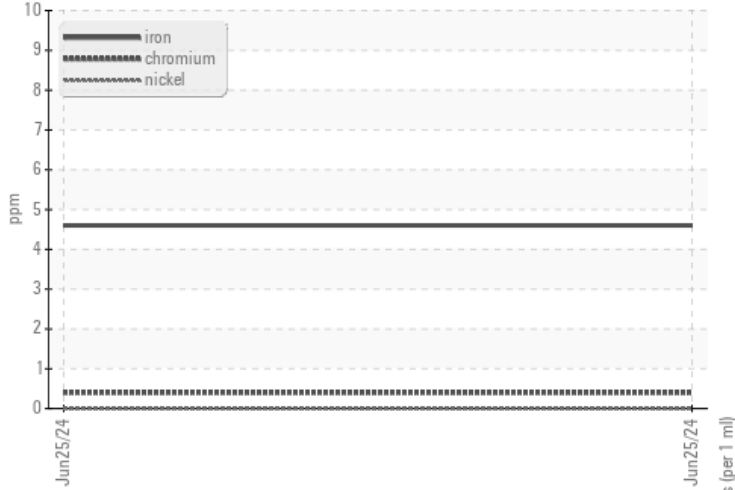


# CONSTRUCTION EQUIPMENT

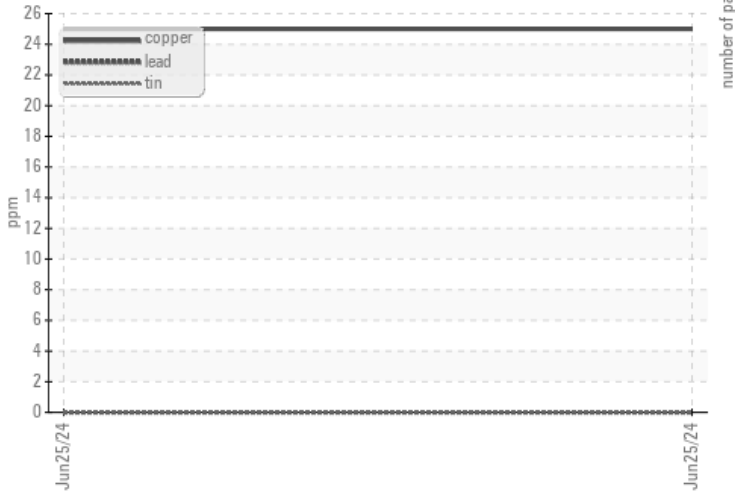


## GRAPHS

### Ferrous Alloys



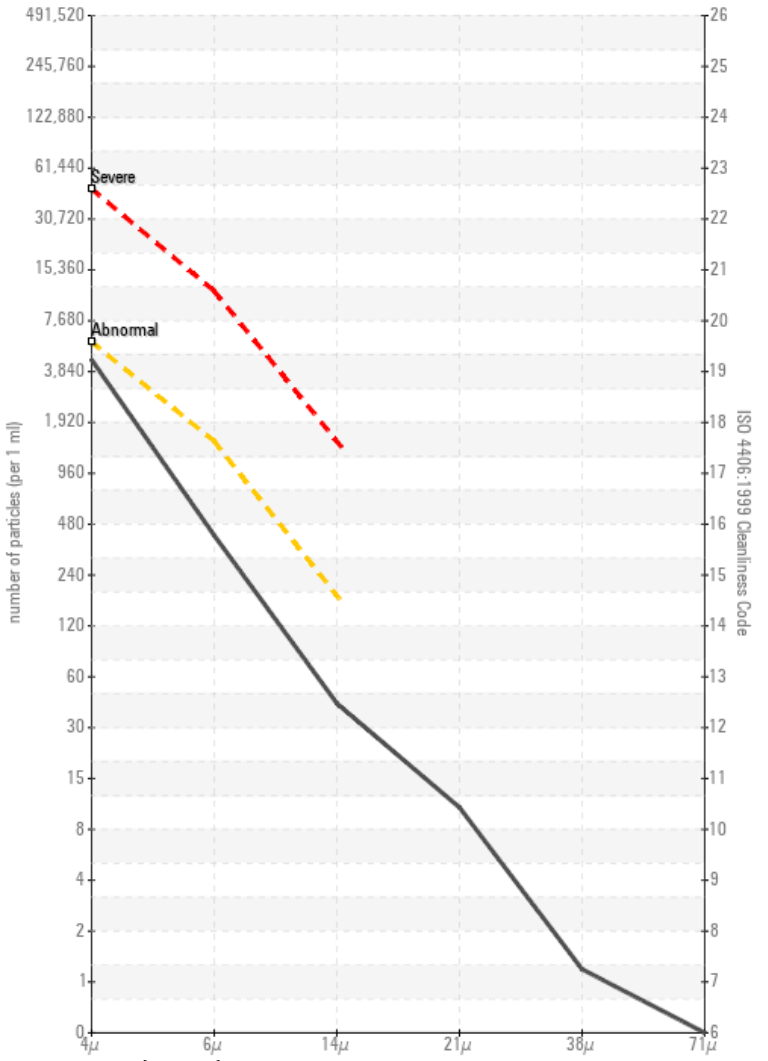
### Non-ferrous Metals



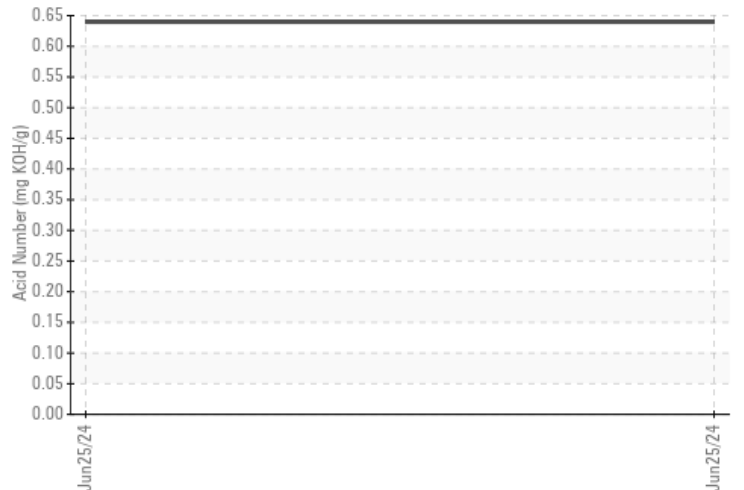
### Viscosity @ 40°C



### Particle Count



### Acid Number





# CONSTRUCTION EQUIPMENT

## VOLVO 314148 - SWING DRIVE



**Sample No:** VCP0008435

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP0008435	---	---	---
Sample Date	25 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 180	---	---	---
-------------	-----	-------	-----	-----	-----



### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	█ 332	---	---	---
Copper	ppm	█ 23	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	6	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

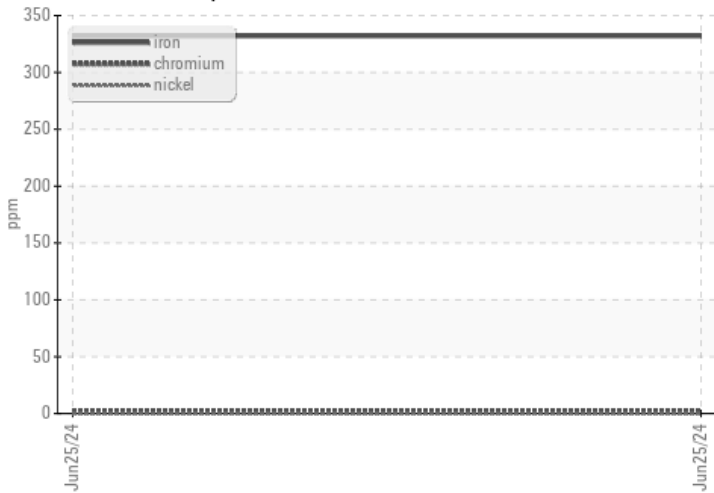
Calcium	ppm	17	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	122	---	---	---
Phosphorus	ppm	435	---	---	---
Barium	ppm	4	---	---	---
Boron	ppm	<1	---	---	---

**Depot:** VOLVO0092  
**Unique No:** 11111473  
**Signed:** Don Baldrige  
**Report Date:** 07 Jul 2024

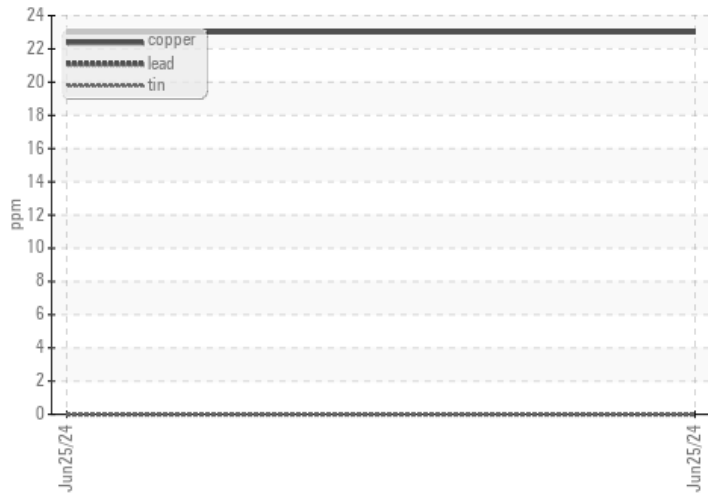


## GRAPHS

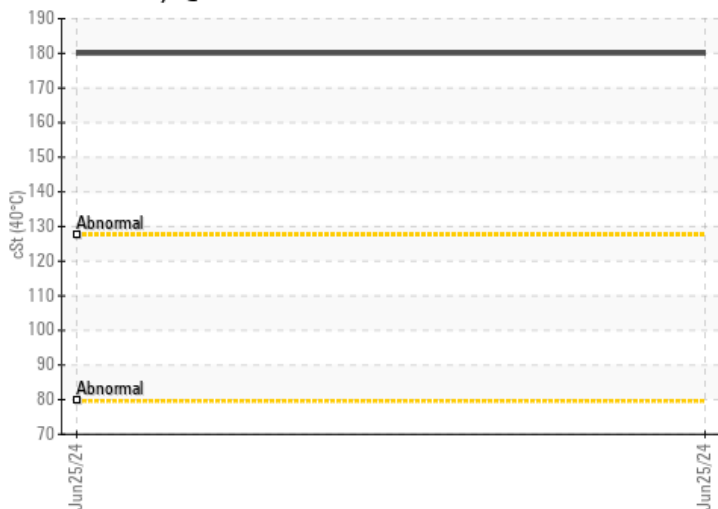
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C







# CONSTRUCTION EQUIPMENT

## VOLVO 314148 - REAR LEFT FINAL DRIVE



**Sample No:** VCP0008436

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP0008436	---	---	---
Sample Date	25 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**ALTA EQUIPMENT COMPANY**  
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 F: (904)737-1260



### OIL CONDITION

Visc @ 40°C	cSt	█ 53.3	---	---	---
-------------	-----	--------	-----	-----	-----



### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

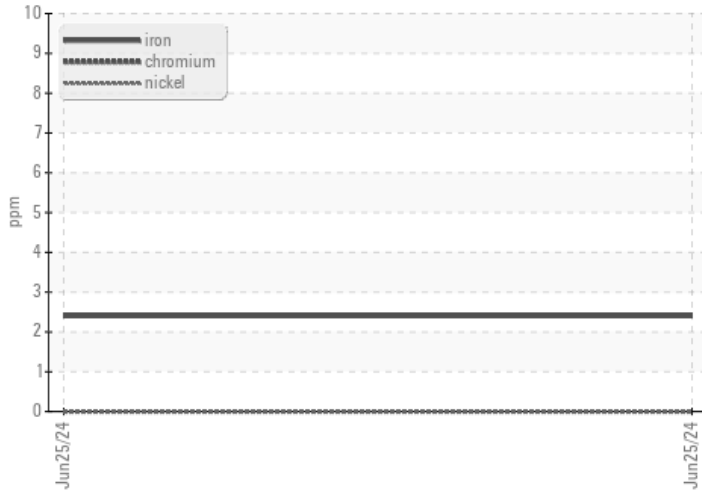
Calcium	ppm	6	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	0	---	---	---
Phosphorus	ppm	2423	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	261	---	---	---

**Depot:** VOLVO0092  
**Unique No:** 11111449  
**Signed:** Don Baldrige  
**Report Date:** 07 Jul 2024

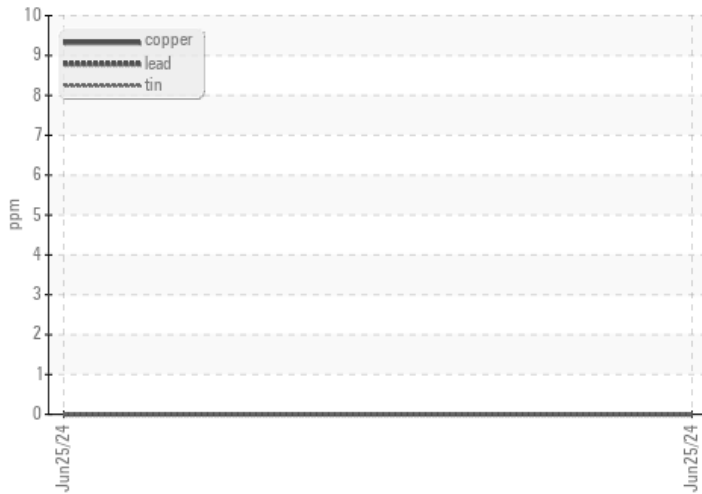


## GRAPHS

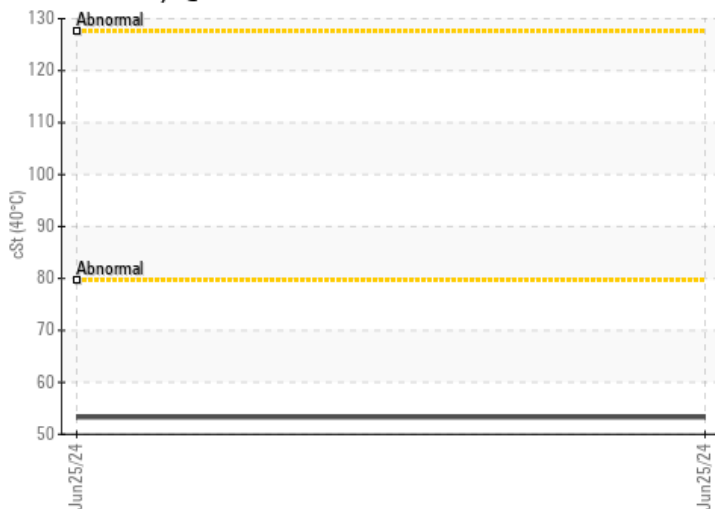
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C





# CONSTRUCTION EQUIPMENT

## VOLVO 314148 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP0008437

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP0008437	---	---	---
Sample Date	25 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 55.2	---	---	---
-------------	-----	--------	-----	-----	-----



### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	█ <1	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

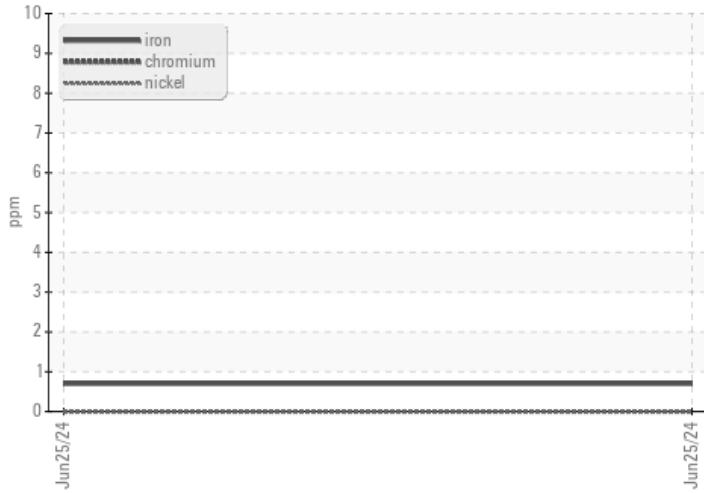
Calcium	ppm	13	---	---	---
Magnesium	ppm	1	---	---	---
Zinc	ppm	17	---	---	---
Phosphorus	ppm	2438	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	274	---	---	---

**Depot:** VOLVO0092  
**Unique No:** 11111471  
**Signed:** Don Baldrige  
**Report Date:** 07 Jul 2024

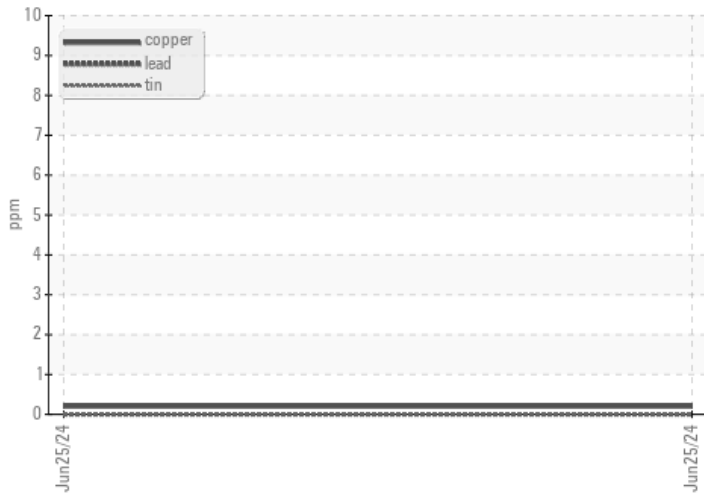


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

