



# CONSTRUCTION EQUIPMENT

## PETERSON 6170D 32D-41-2619 - HYDRAULIC SYSTEM



**Sample No:** VCP436152  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP436152	---	---	---
Sample Date	18 Dec 2023	---	---	---
Machine Hours	4860	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
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### OIL CONDITION

Visc @ 40°C	cSt	▲ 61.63	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.49	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ <1	---	---	---



### WEAR METALS

Iron	ppm	■ 18	---	---	---
Copper	ppm	■ 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 353	---	---	---
Magnesium	ppm	■ 20	---	---	---
Zinc	ppm	■ 422	---	---	---
Phosphorus	ppm	■ 387	---	---	---
Barium	ppm	■ 6	---	---	---
Boron	ppm	■ 6	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. High concentration of visible dirt/debris present in the oil. Viscosity of sample indicates oil is within ISO 68 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

**Depot:** VOLVO0090  
**Unique No:** 10795802  
**Signed:** Jonathan Hester  
**Report Date:** 27 Dec 2023

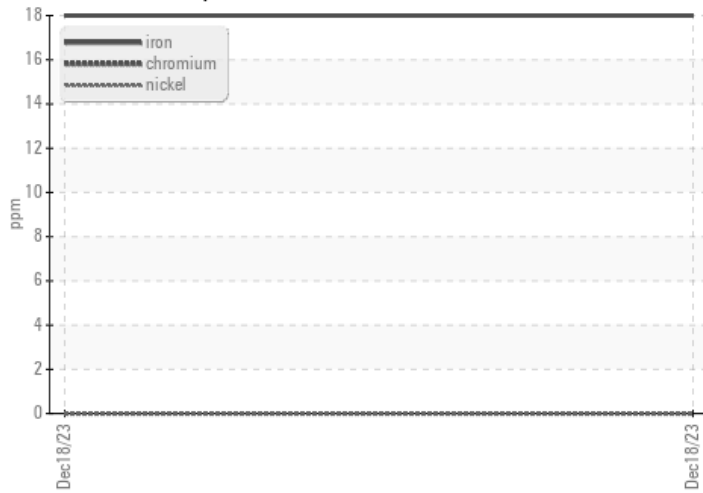


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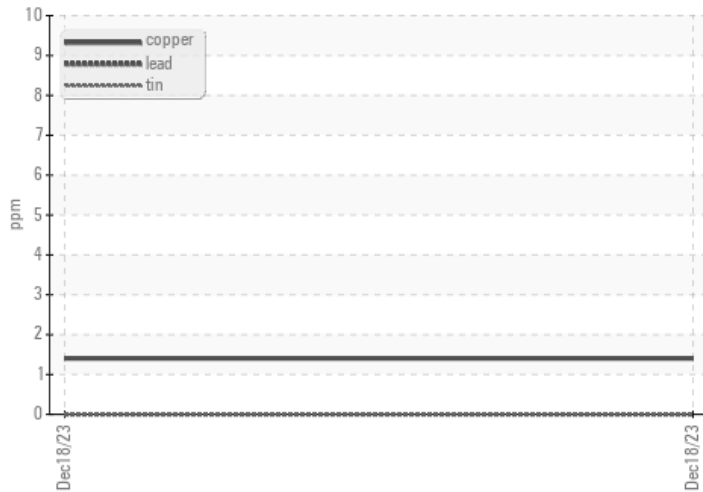


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### ▲ Viscosity @ 40°C



### Acid Number

