



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 742418 - HYDRAULIC SYSTEM



**Sample No:** VCP382179  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP382179	---	---	---
Sample Date	12 Oct 2023	---	---	---
Machine Hours	1814	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---

### KOWAL CONSTRUCTION

601 MCCOOL STREET  
 CROSSFIELD, BC  
 CA T0M 0S0  
 Contact: Carter Kowal  
 carterkowal@icloud.com  
 T: (403)651-9877  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 46.5	---	---	---
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### CONTAMINATION

Particles >4µm		2060	---	---	---
Particles >6µm		█ 485	---	---	---
Particles >14µm		█ 23	---	---	---
ISO 4406:1999 (c)		18/16/12	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.  
 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 condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 65	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	█ 429	---	---	---
Phosphorus	ppm	█ 336	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ <1	---	---	---

**Depot:** KOW601CRO  
**Unique No:** 5658731  
**Signed:** Wes Davis  
**Report Date:** 18 Oct 2023

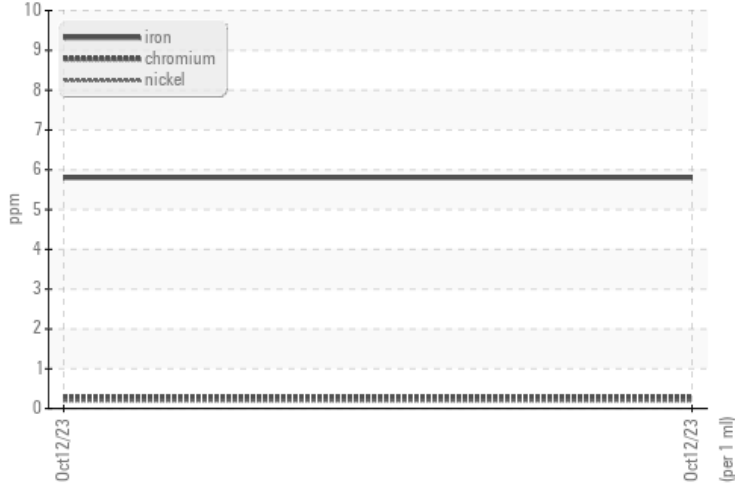


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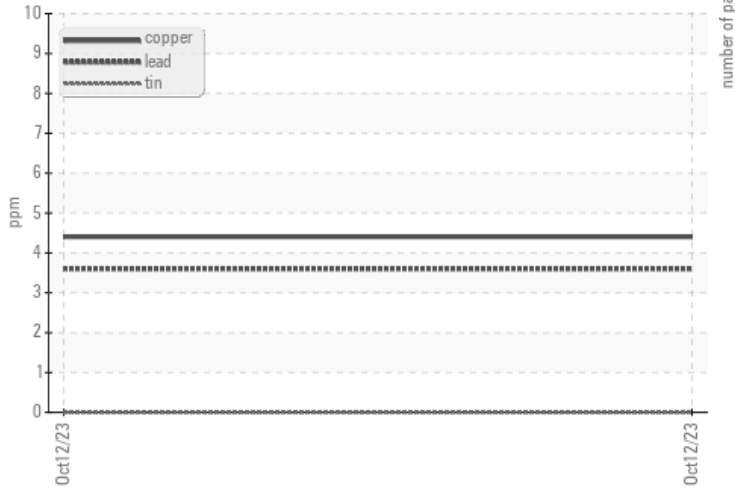


## VOLVO GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

