



# CONSTRUCTION EQUIPMENT

## W07013237-2 TOWSIDE AVANT M630 97769 - HYDRAULIC SYSTEM



**Sample No:** VCP387856  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** W07013237-2 TOWSIDE



### SAMPLE INFORMATION

Sample Number	VCP387856	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	655	---	---	---
Oil Hours	400	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 44.2	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.41	---	---	---



### CONTAMINATION

Particles >4µm		▲ 10803	---	---	---
Particles >6µm		█ 552	---	---	---
Particles >14µm		█ 20	---	---	---
ISO 4406:1999 (c)		21/16/11	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. 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. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



### WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 3	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 91	---	---	---
Magnesium	ppm	█ 21	---	---	---
Zinc	ppm	█ 476	---	---	---
Phosphorus	ppm	█ 346	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ <1	---	---	---

**Depot:** VOLVO0264  
**Unique No:** 10615558  
**Signed:** Wes Davis  
**Report Date:** 22 Aug 2023

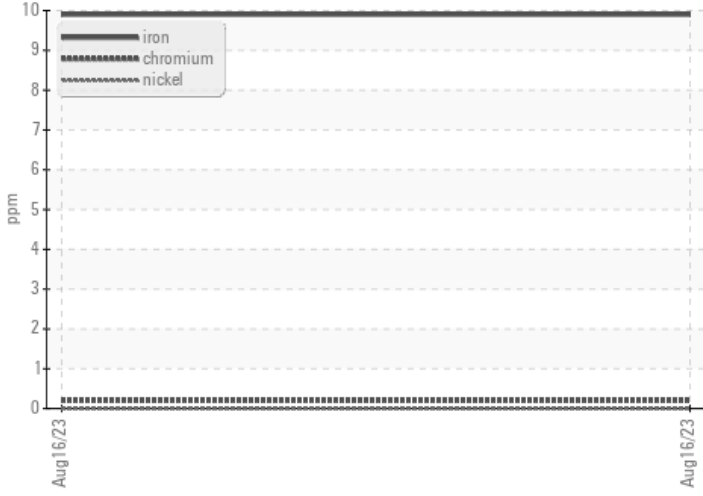


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## VOLVO GRAPHS

### Ferrous Alloys



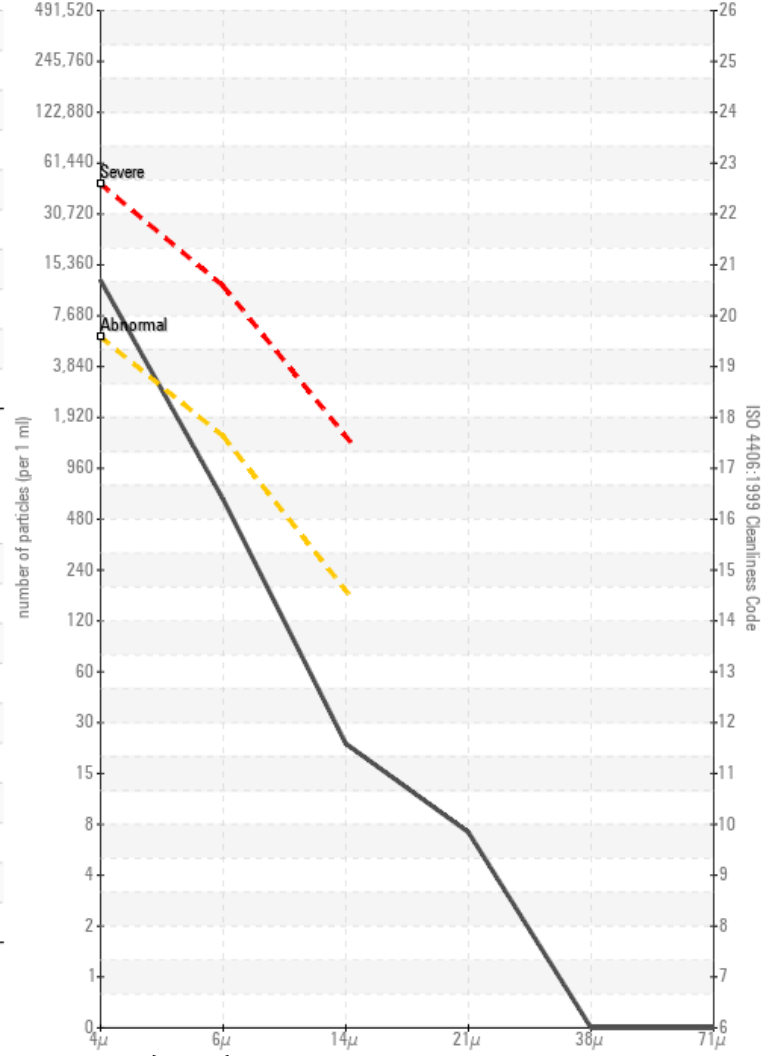
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

