



# CONSTRUCTION EQUIPMENT

## COVANTA PASCO VOLVO L110H 631015 - HYDRAULIC SYSTEM



**Sample No:** VCP452355  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** COVANTA PASCO



### SAMPLE INFORMATION

Sample Number	VCP452355	VCP192983	---	---
Sample Date	16 Feb 2024	13 Mar 2017	---	---
Machine Hours	9098	1978	---	---
Oil Hours	0	1978	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	▲ 54.2	■ 41.78	---	---
Acid Number (AN)	mg KOH/g	■ 0.88	■ 0.571	---	---



### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles 5-15µm	count	---	148223	---	---
Particles 15-25µm	count	---	7164	---	---
Particles 25-50µm	count	---	3451	---	---
Particles 50-100µm	count	---	324	---	---
Particles > 100µm	count	---	232	---	---
NAS Code		---	10	---	---
Particles >4µm		6434	7106	---	---
Particles >6µm		■ 216	■ 1654	---	---
Particles >14µm		■ 14	▲ 122	---	---
ISO 4406:1999 (c)		20/15/11	20/18/14	---	---
Silicon	ppm	■ 6	■ 7	---	---
Sodium	ppm	■ 3	■ 2	---	---
Potassium	ppm	■ 0	■ <1	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.



### WEAR METALS

Iron	ppm	■ 5	■ 5	---	---
Copper	ppm	■ 2	■ 6	---	---
Lead	ppm	■ <1	■ 2	---	---
Tin	ppm	■ 0	■ 2	---	---
Aluminum	ppm	■ 2	■ <1	---	---
Chromium	ppm	■ 2	■ <1	---	---
Molybdenum	ppm	■ 57	■ <1	---	---
Nickel	ppm	■ 0	■ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 0	■ <1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	■ 851	■ 64	---	---
Magnesium	ppm	■ 286	■ 3	---	---
Zinc	ppm	■ 758	■ 441	---	---
Phosphorus	ppm	■ 641	■ 324	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 216	■ 2	---	---

**Depot:** VOLVO0093  
**Unique No:** 10886962  
**Signed:** Don Baldrige  
**Report Date:** 21 Feb 2024

Contact/Location: KENNY HANEY - VOLVO0093

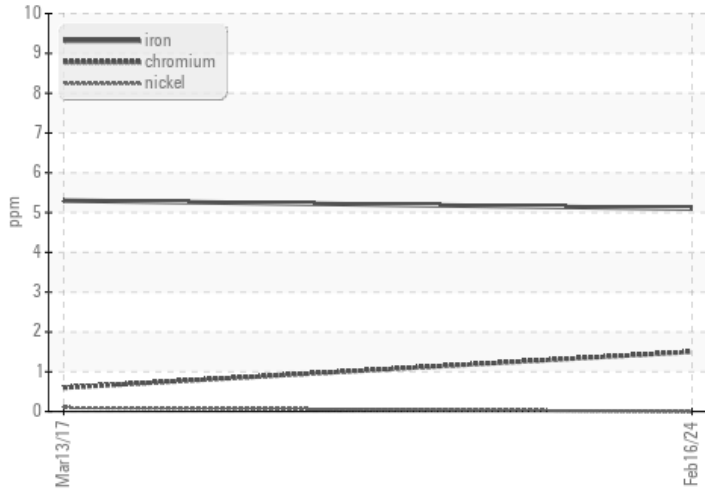


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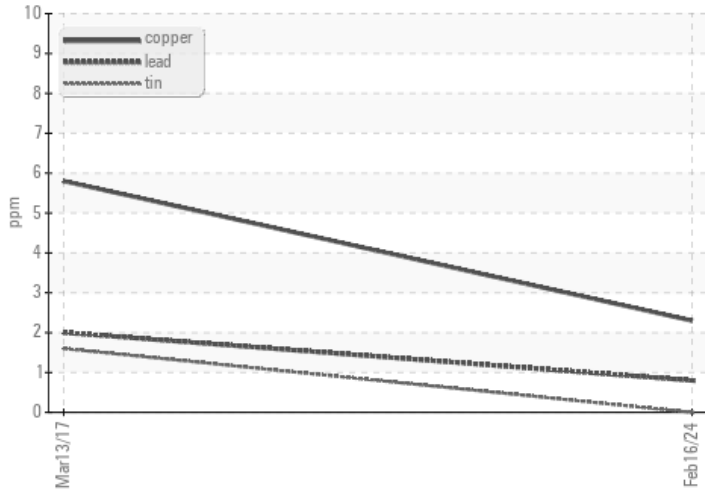


## GRAPHS

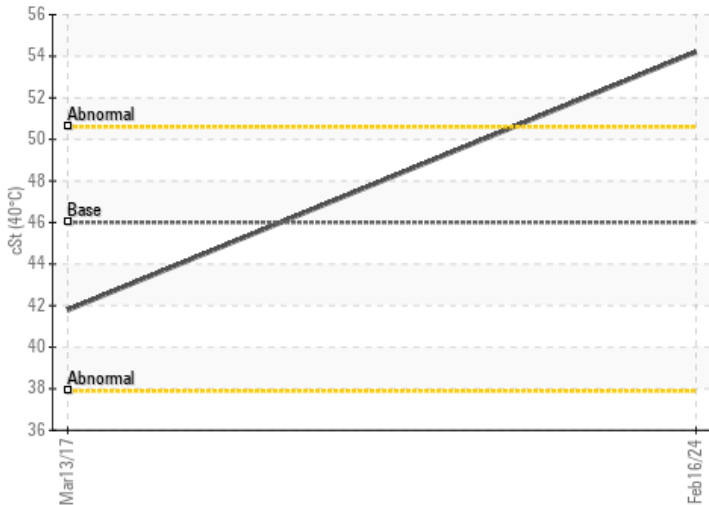
### Ferrous Alloys



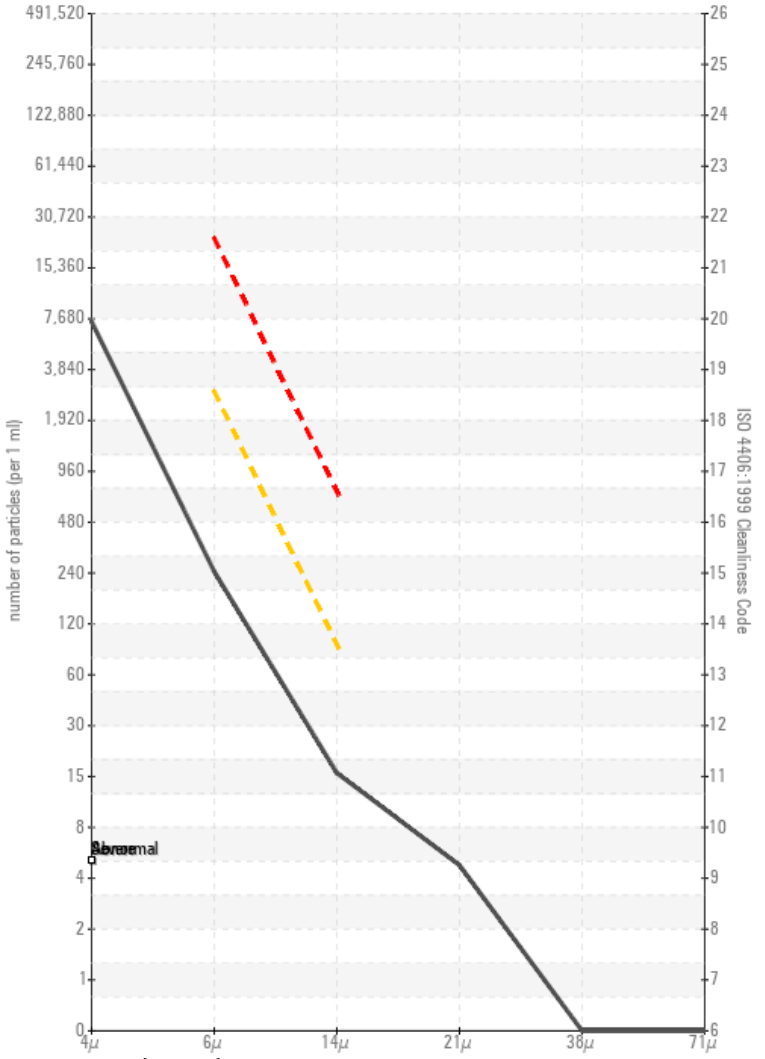
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

