



# CONSTRUCTION EQUIPMENT

## 203 VOLVO L180G 19985 - HYDRAULIC SYSTEM



**Sample No:** VCE52464  
**Oil Type:** CHEVRON 1000 THF  
**Job No:** 203



### SAMPLE INFORMATION

Sample Number	VCE52464	VC266754	---	---
Sample Date	28 Nov 2023	10 Feb 2015	---	---
Machine Hours	6548	786	---	---
Oil Hours	6548	786	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

**OCONTO COUNTY HIGHWAY**  
 PO BOX 138  
 OCONTO, WI  
 US 54153  
 Contact: KURT NIEMANN  
 kurt.niemann@co.oconto.wi.us  
 T: (920)834-6885  
 F:

### OIL CONDITION

Visc @ 40°C	cSt	47.5	39.77	---	---
Acid Number (AN)	mg KOH/g	1.08	0.579	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		13565	17702	---	---
Particles >6µm		2899	6489	---	---
Particles >14µm		121	15	---	---
ISO 4406:1999 (c)		21/19/14	21/20/11	---	---
Silicon	ppm	14	4	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	0	<1	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.No visible metal present. All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	4	5	---	---
Copper	ppm	1	3	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	0	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

### ADDITIVES

Calcium	ppm	2068	40	---	---
Magnesium	ppm	18	0	---	---
Zinc	ppm	1020	427	---	---
Phosphorus	ppm	825	339	---	---
Barium	ppm	0	0	---	---
Boron	ppm	22	0	---	---

**Depot:** OCOOCO  
**Unique No:** 10781176  
**Signed:** Doug Bogart  
**Report Date:** 14 Dec 2023

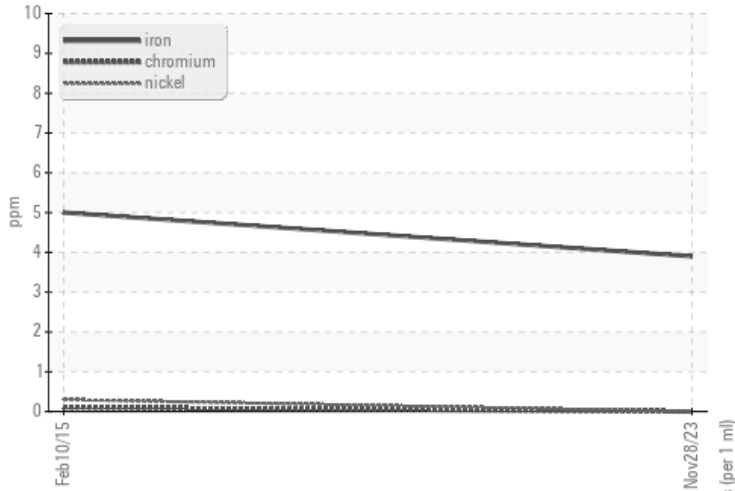


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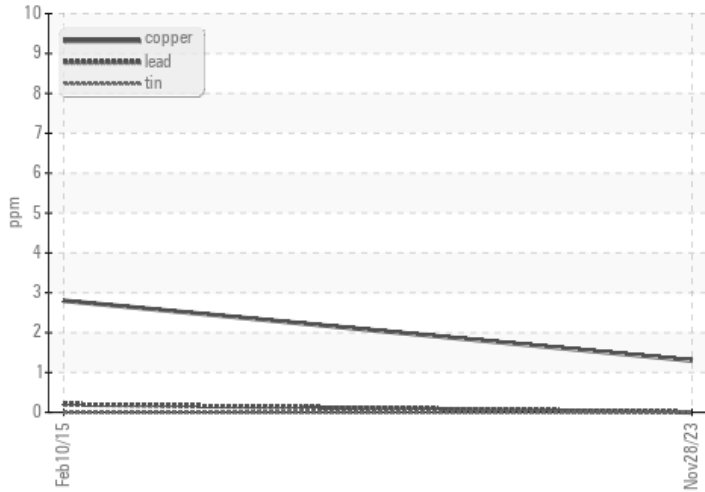


## VOLVO GRAPHS

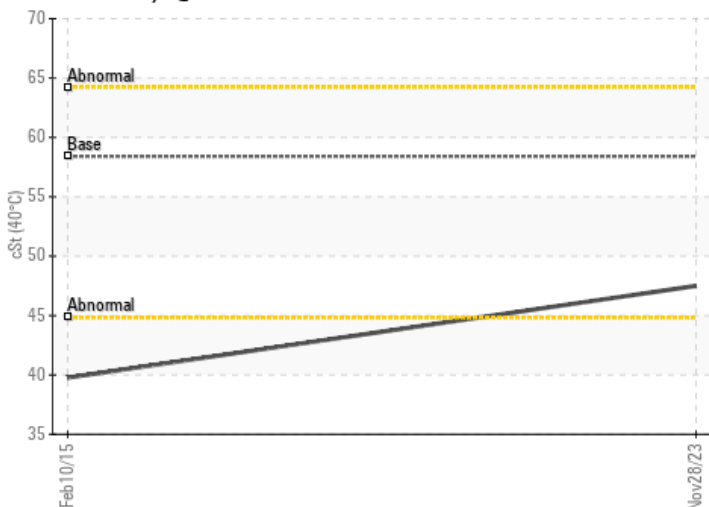
### Ferrous Alloys



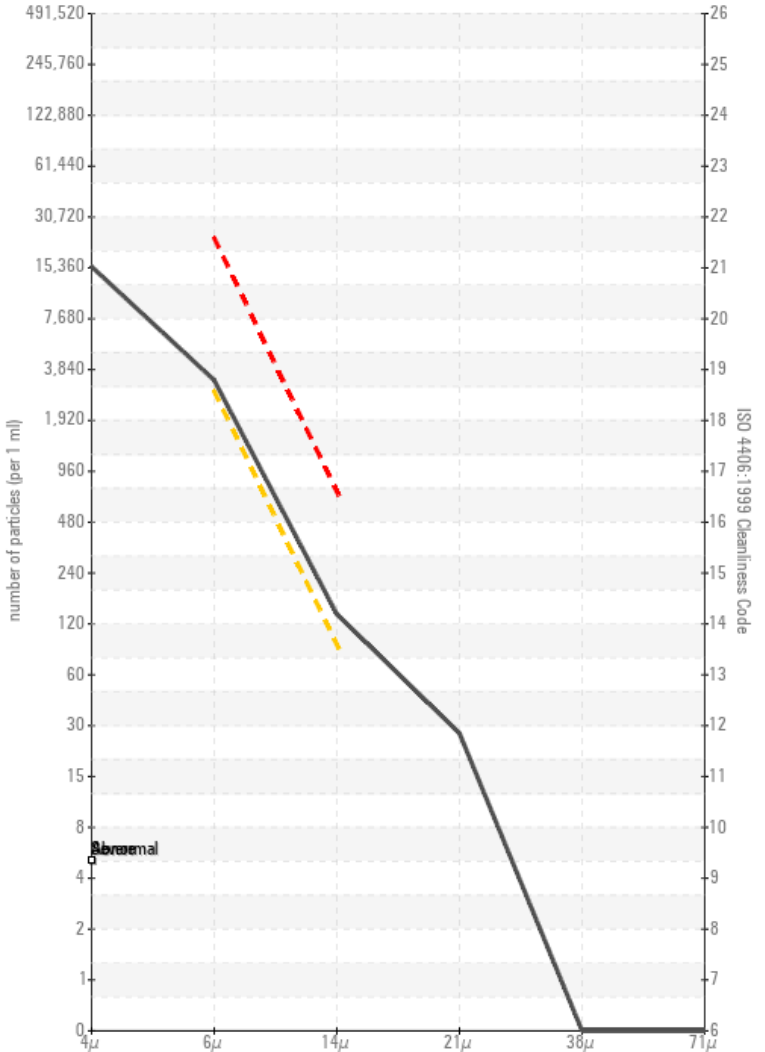
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

