



# CONSTRUCTION EQUIPMENT

NO UNIT 02579975 - DIESEL ENGINE



**Sample No:** VCP  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:**



## VOLVO SAMPLE INFORMATION

Sample Number	VCP	---	---	---
Sample Date	31 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

**Strongco Equipment**  
 5179 Fountain St N.  
 Breslau, ON  
 CA N0B 1M0  
 Contact: Nick Sanders  
 nsanders@strongco.com  
 T: (519)744-3518  
 F: (519)744-3284

## VOLVO OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Oxidation (PA)	%	█ 78	---	---	---

## VOLVO CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	█ 70	---	---	---
Sulfation (PA)	%	█ 63	---	---	---
Glycol	%	█ NEG	---	---	---
Fuel	%	█ <1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm. Please specify the component make and model with your next sample. Iron ppm levels are abnormal. Cylinder, crank, or cam shaft wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## VOLVO WEAR METALS

Iron	ppm	▲ 115	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	█ 0	---	---	---

## VOLVO ADDITIVES

Calcium	ppm	█ 1712	---	---	---
Magnesium	ppm	█ 517	---	---	---
Zinc	ppm	█ 1092	---	---	---
Phosphorus	ppm	█ 975	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 29	---	---	---

**Depot:** CASKIT  
**Unique No:** 5633035  
**Signed:** Kevin Marson  
**Report Date:** 05 Sep 2023



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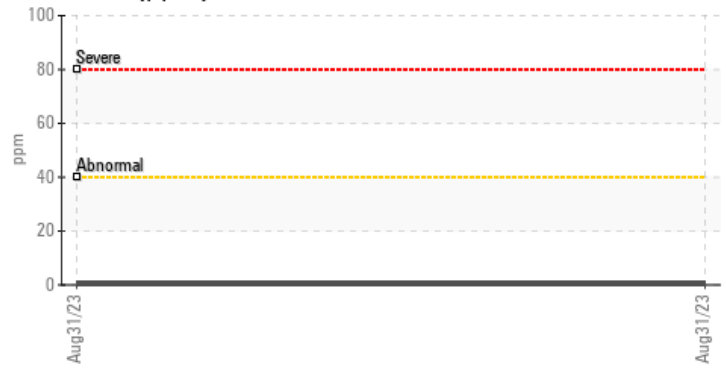


## GRAPHS

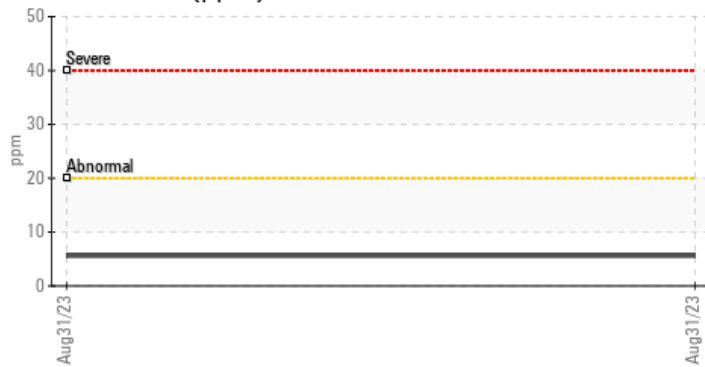
### ▲ Iron (ppm)



### Lead (ppm)



### Aluminum (ppm)



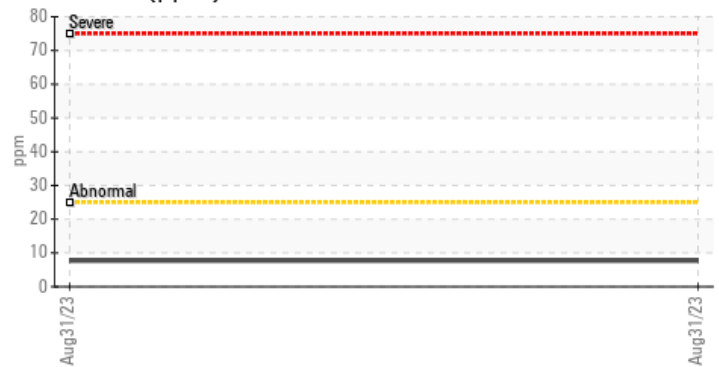
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 100°C



### Soot %

