



# CONSTRUCTION EQUIPMENT

## VOLVO G976 NOUNITVCE243319 - DIESEL ENGINE



**Sample No:** VCE243319  
**Oil Type:** CO-OP D-MO SAE 15W40  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCE243319	---	---	---
Sample Date	29 Jan 2024	---	---	---
Machine Hours	8489	---	---	---
Oil Hours	544	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

**City of Steinbach**  
 51 Millwork Road  
 Steinbach, MB  
 CA R2G 2J1  
 Contact: Randy Reimer  
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 T: (204)346-6215  
 F: (204)346-6239



### OIL CONDITION

Visc @ 100°C	cSt	▲ 11.5	---	---	---
Oxidation (PA)	%	79	---	---	---



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.3	---	---	---
Nitration (PA)	%	86	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 7.3	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 6	---	---	---
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. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



### WEAR METALS

Iron	ppm	■ 13	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 4	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 84	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 2099	---	---	---
Magnesium	ppm	15	---	---	---
Zinc	ppm	■ 1103	---	---	---
Phosphorus	ppm	■ 959	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 35	---	---	---

**Depot:** CIT51STE  
**Unique No:** 5723015  
**Signed:** Wes Davis  
**Report Date:** 08 Feb 2024

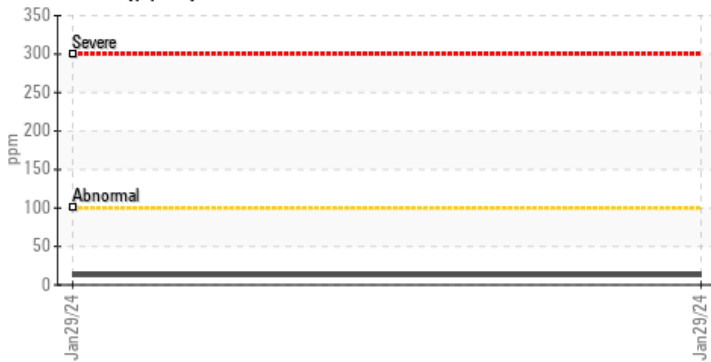


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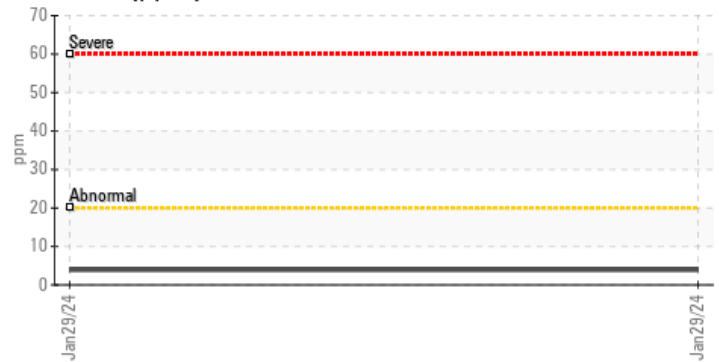


## GRAPHS

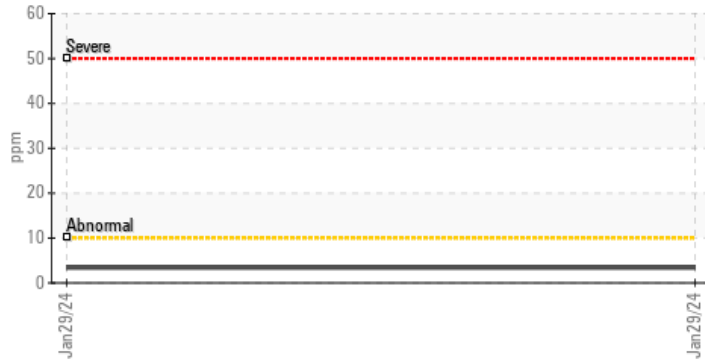
### Iron (ppm)



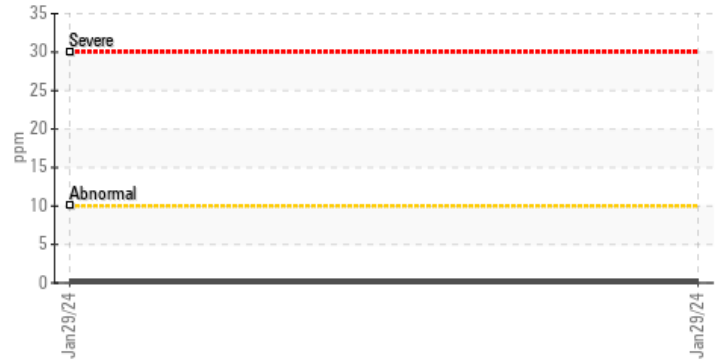
### Lead (ppm)



### Aluminum (ppm)



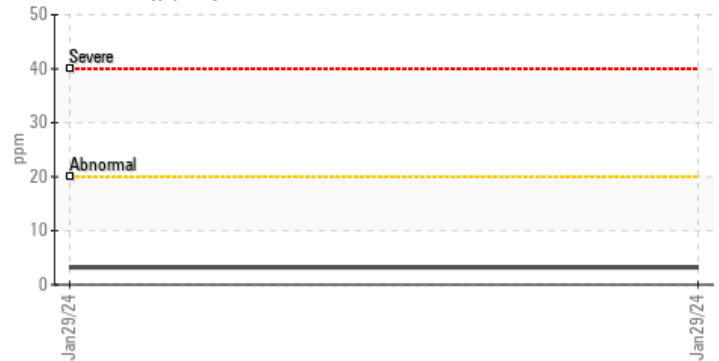
### Chromium (ppm)



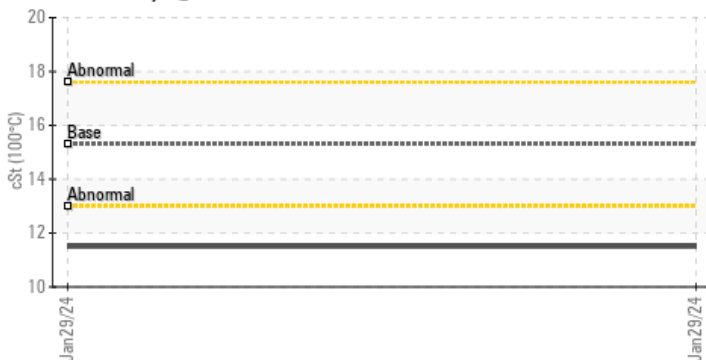
### Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 100°C



### ▲ Fuel Dilution

