



# CONSTRUCTION EQUIPMENT

## 392231 VOLVO L90B 61843 - DROP BOX



**Sample No:** VCP394103  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 392231



### SAMPLE INFORMATION

Sample Number	VCP394103	---	---	---
Sample Date	21 Feb 2024	---	---	---
Machine Hours	24721	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### STRONGCO EQUIP (AB)

6 - 38403 BURNT LAKE TRAIL  
 RED DEER COUNTY, AB  
 CA T4S 2L4  
 Contact: Perry Doyle  
 pdoyle@strongco.com  
 T: (403)391-3520  
 F: (403)346-3487



### OIL CONDITION

Visc @ 40°C	cSt	▲ 30.3	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 1	---	---	---



### WEAR METALS

Iron	ppm	■ 16	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 7	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	3686	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	■ 1412	---	---	---
Phosphorus	ppm	■ 1207	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	109	---	---	---

### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3, however, a fluid match indicates that this fluid is SAE 10W Diesel Engine Oil. Please confirm the oil type and grade on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 10W range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO9652  
**Unique No:** 5734607  
**Signed:** Kevin Marson  
**Report Date:** 23 Feb 2024



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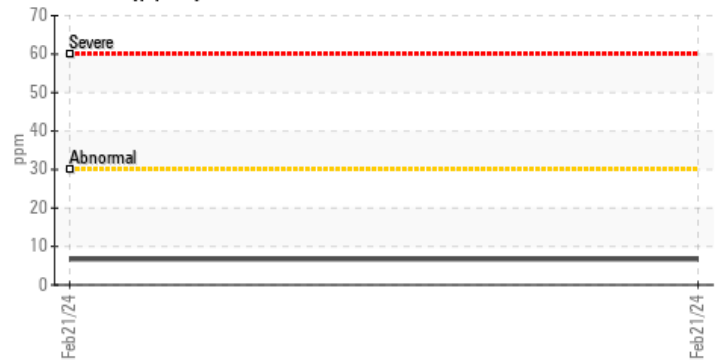


## GRAPHS

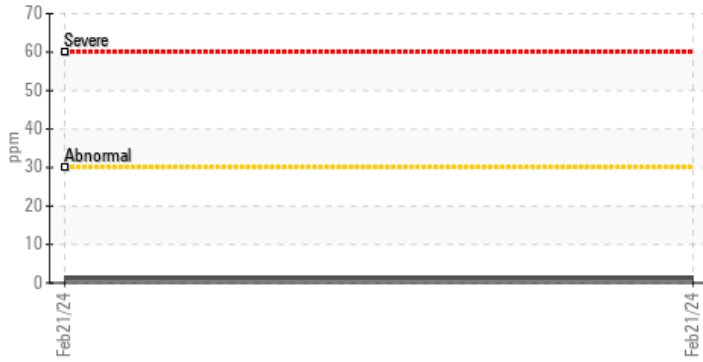
### Iron (ppm)



### Lead (ppm)



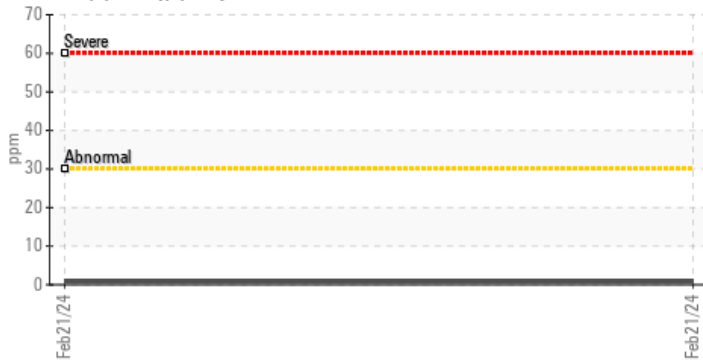
### Aluminum (ppm)



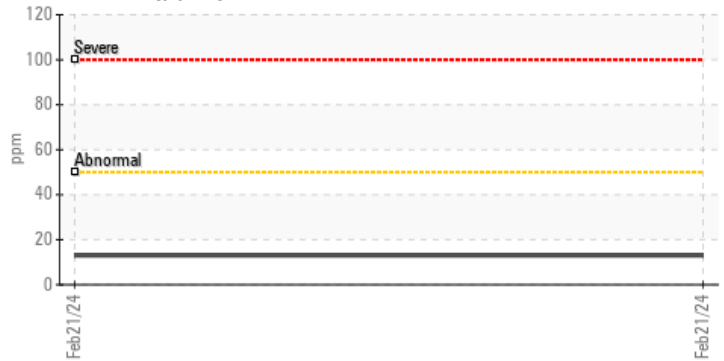
### Chromium (ppm)



### Copper (ppm)



### Silicon (ppm)



### ▲ Viscosity @ 40°C



### Additives

