



# CONSTRUCTION EQUIPMENT

B50586 JOHN D. OLD ELTEC J0103 - DIESEL ENGINE



**Sample No:** VCP424142  
**Oil Type:** NOT GIVEN  
**Job No:** B50586 JOHN D. OLD



## SAMPLE INFORMATION

Sample Number	VCP424142	---	---	---
Sample Date	21 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

### CHADWICK-BAROSS INC

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## OIL CONDITION

Visc @ 100°C	cSt	▲ 11.2	---	---	---
Base Number (BN)	mg KOH/g	■ 5.9	---	---	---
Oxidation (PA)	%	■ 80	---	---	---



## CONTAMINATION

Soot %	%	■ 0.8	---	---	---
Nitration (PA)	%	■ 88	---	---	---
Sulfation (PA)	%	■ 61	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	● 14.6	---	---	---
Silicon	ppm	■ 5	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 5	---	---	---



## WEAR METALS

Iron	ppm	■ 14	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 2023	---	---	---
Magnesium	ppm	■ 14	---	---	---
Zinc	ppm	■ 1065	---	---	---
Phosphorus	ppm	■ 879	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 95	---	---	---

## Diagnosis

We advise that you check the fuel injection system. 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. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining 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.

**Depot:** VOLVO0007  
**Unique No:** 10621109  
**Signed:** Wes Davis  
**Report Date:** 30 Aug 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

