



# CONSTRUCTION EQUIPMENT

B50586 JOHN D. WEEK ELTEC J0103 - DIESEL ENGINE



**Sample No:** VCP424091  
**Oil Type:** DIESEL ENGINE OIL SAE 40  
**Job No:** B50586 JOHN D. WEEK



## SAMPLE INFORMATION

Sample Number	VCP424091	VCP424142	---	---
Sample Date	22 Aug 2023	21 Aug 2023	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	NORMAL	---	---	---

### CHADWICK-BAROSS INC

188 PERRY ROAD  
BANGOR, ME  
US 04401  
Contact: MIKE MORIN  
mmorin@chadwick-baross.com  
T: (207)735-0856  
F: (207)941-0856



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	11.2	---	---
Base Number (BN)	mg KOH/g	█ 7.8	█ 5.9	---	---
Oxidation (PA)	%	63	80	---	---

### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



## CONTAMINATION

Soot %	%	█ 0.2	█ 0.8	---	---
Nitration (PA)	%	50	88	---	---
Sulfation (PA)	%	54	61	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 2	█ 5	---	---
Sodium	ppm	█ 1	█ 2	---	---
Potassium	ppm	█ 5	█ 5	---	---



## WEAR METALS

Iron	ppm	█ 2	█ 14	---	---
Copper	ppm	█ <1	█ <1	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 1	█ <1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ <1	<1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	<1	---	---
Vanadium	ppm	<1	<1	---	---



## ADDITIVES

Calcium	ppm	█ 2155	█ 2023	---	---
Magnesium	ppm	█ 25	█ 14	---	---
Zinc	ppm	█ 1182	█ 1065	---	---
Phosphorus	ppm	█ 1005	█ 879	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 198	█ 95	---	---

**Depot:** VOLVO0007  
**Unique No:** 10621108  
**Signed:** Wes Davis  
**Report Date:** 28 Aug 2023



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## GRAPHS

