



# CONSTRUCTION EQUIPMENT

INGALLS GROVE RT880E 234653 - DIESEL ENGINE



**Sample No:** VCP438534  
**Oil Type:** SHELL ROTELLA T 15W40  
**Job No:** INGALLS



## SAMPLE INFORMATION

Sample Number	VCP438534	---	---	---
Sample Date	26 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### COWIN EQUIPMENT COMPANY

35 SCHILLINGER ROAD N.  
 MOBILE, AL  
 US 36607  
 Contact: JEFF BEASLEY  
 JBEASLEY@COWIN.COM  
 T:  
 F: (251)473-4732



## OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	52	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. 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

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	37	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 1.2	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 77	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 1438	---	---	---
Magnesium	ppm	█ 403	---	---	---
Zinc	ppm	█ 1281	---	---	---
Phosphorus	ppm	█ 1031	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 463	---	---	---

**Depot:** VOLV08527  
**Unique No:** 11021140  
**Signed:** Don Baldrige  
**Report Date:** 15 May 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

