



# CONSTRUCTION EQUIPMENT

SWO-071810 VOLVO L150G 23140 - DIESEL ENGINE



**Sample No:** VCP453734  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** SWO-071810



## SAMPLE INFORMATION

Sample Number	VCP453734	VCE171963	---	---
Sample Date	07 May 2024	09 Aug 2013	---	---
Machine Hours	6814	1132	---	---
Oil Hours	0	401	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ABNORMAL	---	---

### MIDSOUTH PAVING INC

750 CLOW RD  
 BIRMINGHAM, AL  
 US 35217

Contact: CHRIS MCCOY  
 chmccoy@apac.com  
 T: (205)365-3448  
 F: (205)808-5431



## OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	█ 14.27	---	---
Base Number (BN)	mg KOH/g	█ 8.5	---	---	---
Oxidation (PA)	%	71	█ 36	---	---

### Diagnosis

Resample at the next service interval to monitor. 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

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.4	---	---
Nitration (PA)	%	60	█ 50	---	---
Sulfation (PA)	%	57	█ 47	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 4	█ 5	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ <1	█ 1	---	---



## WEAR METALS

Iron	ppm	█ 4	█ 10	---	---
Copper	ppm	█ 0	▲ 468	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ 0	█ 3	---	---
Aluminum	ppm	█ 1	█ 2	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 58	█ 49	---	---
Nickel	ppm	█ 0	█ 2	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ <1	█ 0	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█ 1957	█ 816	---	---
Magnesium	ppm	█ 430	█ 1184	---	---
Zinc	ppm	█ 1206	█ 1232	---	---
Phosphorus	ppm	█ 1023	█ 1106	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 78	█ 3	---	---

**Depot:** APABIR  
**Unique No:** 11021127  
**Signed:** Wes Davis  
**Report Date:** 10 May 2024



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## GRAPHS

