

# OIL ANALYSIS REPORT

# VOLVO PENTA

## LEE HOWLEY 3754 VOLVO PENTA A1092315 - CENTER DIESEL ENGINE

Sample No: VPA055380

Oil Type: VOLVO PENTA SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA055380	---	---	---
Sample Date	01 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### WESTERN BRANCH DIESEL

6881 BULLDOG DR N

CHARLESTON, SC

US 29406

Contact: MICHAEL JORDAN

mdjordan@wbdiesel.com

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### OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 7.3	---	---	---
Oxidation (PA)	%	53	---	---	---

### CONTAMINATION

Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ <1	---	---	---

### WEAR METALS

Iron	ppm	█ 20	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 80	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 2157	---	---	---
Magnesium	ppm	█ 131	---	---	---
Zinc	ppm	█ 1330	---	---	---
Phosphorus	ppm	█ 1074	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 66	---	---	---

### 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 acceptable for the time in service.

Depot: VP1165983

Unique No: 10727198

Signed: Don Baldrige

Report Date: 07 Nov 2023

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## GRAPHS

