

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 7011481290 - PORT DIESEL ENGINE

Sample No: VPA057385

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA057385	VPA057380	---	---
Sample Date	06 May 2024	01 May 2024	---	---
Machine Hours	365	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.37	█ 13.3	---	---
Base Number (BN)	mg KOH/g	█ 7.6	█ 8.0	---	---
Oxidation (PA)	%	49	55	---	---

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.1	█ 0.3	---	---
Nitration (PA)	%	56	47	---	---
Sulfation (PA)	%	47	55	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 10	█ 8	---	---
Sodium	ppm	█ 2	█ <1	---	---
Potassium	ppm	█ 1	█ 1	---	---

### WEAR METALS

Iron	ppm	█ 2	█ 8	---	---
Copper	ppm	█ 2	█ 15	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 90	█ 79	---	---
Nickel	ppm	█ <1	█ <1	---	---
Titanium	ppm	█ <1	█ 1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	0	<1	---	---

### ADDITIVES

Calcium	ppm	█ 1997	█ 1280	---	---
Magnesium	ppm	█ 53	█ 399	---	---
Zinc	ppm	█ 1106	█ 1108	---	---
Phosphorus	ppm	█ 882	█ 920	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 122	█ 423	---	---

### ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2  
NAPLES, FL  
US 34104  
Contact: KEITH SPICER  
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T: (239)580-8731  
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### Diagnosis

No corrective action is recommended at this time. 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: VPADVNP  
Unique No: 11019155  
Signed: Doug Bogart  
Report Date: 08 May 2024

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## GRAPHS

