

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 438717 - CENTER GASOLINE ENGINE

Sample No: VPA058217

Oil Type: LIQUI MOLY SPECIN TEC 0W20

### SAMPLE INFORMATION

Sample Number	VPA058217	---	---	---
Sample Date	13 Feb 2024	---	---	---
Machine Hours	140000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

### ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2  
NAPLES, FL  
US 34104  
Contact: KEITH SPICER  
keith\_advanceddiesel@yahoo.com  
T: (239)580-8731  
F:

### OIL CONDITION

Visc @ 100°C	cSt	■ 7.8	---	---	---
Base Number (BN)	mg KOH/g	■ 4.0	---	---	---
Oxidation (PA)	%	18	---	---	---

### 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	---	---	---
Soot %	%	■ 0	---	---	---
Nitration (PA)	%	12	---	---	---
Sulfation (PA)	%	16	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	■ 14	---	---	---
Sodium	ppm	■ < 1	---	---	---
Potassium	ppm	■ 1	---	---	---

### WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ < 1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ < 1	---	---	---
Molybdenum	ppm	74	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	1134	---	---	---
Magnesium	ppm	418	---	---	---
Zinc	ppm	675	---	---	---
Phosphorus	ppm	637	---	---	---
Barium	ppm	12	---	---	---
Boron	ppm	28	---	---	---

Depot: VPADVNP  
Unique No: 10876025  
Signed: Jonathan Hester  
Report Date: 15 Feb 2024

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## GRAPHS

