

# OIL ANALYSIS REPORT

# VOLVO PENTA

## C-1-I1 POST OIL VOLVO PENTA 2016125589 - DIESEL ENGINE

Sample No: VPA258537

Oil Type: DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA258537	VPA258536	---	---
Sample Date	30 Jul 2020	29 Jul 2020	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

### POWERSECURE INC

1609 HERITAGE COMMERCE CT  
WAKE FOREST, NC  
US 27587  
Contact: C. CHESLER  
cchesler@powersecure.com  
T: (919)556-3056  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.8	█ 13.9	---	---
Oxidation (PA)	%	█ 60	█ 69	---	---

### CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	█ 43	█ 39	---	---
Sulfation (PA)	%	█ 52	█ 55	---	---
Glycol	%	█ NEG	█ NEG	---	---
Fuel	%	█ <1.0	█ <1.0	---	---
Silicon	ppm	█ 13	█ 10	---	---
Sodium	ppm	█ 2	█ 3	---	---
Potassium	ppm	█ 0	█ 1	---	---

### 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 condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	█ 3	█ 2	---	---
Copper	ppm	█ 4	█ 3	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ 0	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 52	█ 50	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ <1	█ 0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	█ 0	█ 0	---	---

### ADDITIVES

Calcium	ppm	█ 1152	█ 965	---	---
Magnesium	ppm	█ 935	█ 794	---	---
Zinc	ppm	█ 1133	█ 1029	---	---
Phosphorus	ppm	█ 994	█ 868	---	---
Barium	ppm	█ 0	█ <1	---	---
Boron	ppm	█ 16	█ 19	---	---

Depot: VP695486  
Unique No: 9117521  
Signed: Don Baldrige  
Report Date: 03 Aug 2020

# OIL ANALYSIS REPORT

**VOLVO  
PENTA**

## GRAPHS

