

# OIL ANALYSIS REPORT

# VOLVO PENTA

## A725119 - CENTER DIESEL ENGINE

Sample No: VPA016714

Oil Type: DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA016714	---	---	---
Sample Date	27 May 2018	---	---	---
Machine Hours	104	---	---	---
Oil Hours	46	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	█ 13.63	---	---	---
Oxidation (PA)	%	█ 40	---	---	---

### CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	█ 33	---	---	---
Sulfation (PA)	%	█ 42	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 7	---	---	---

### 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	█ 8	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 4	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 57	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	1020	---	---	---
Magnesium	ppm	1024	---	---	---
Zinc	ppm	█ 1106	---	---	---
Phosphorus	ppm	█ 1017	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	2	---	---	---

**Depot:** VPWERANA  
**Unique No:** 8214336  
**Signed:** Don Baldrige  
**Report Date:** 31 May 2018

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## GRAPHS

