

# OIL ANALYSIS REPORT

# VOLVO PENTA

**GOOGLE VOLVO 2016108542 - B-1-K-3 - GENSET**

**Sample No:** VPA018759

**Oil Type:** SHELL ROTELLA T 15W40

## SAMPLE INFORMATION

Sample Number	VPA018759	---	---	---
Sample Date	13 Jun 2019	---	---	---
Machine Hours	46	---	---	---
Oil Hours	46	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### POWERSECURE INC

1609 HERITAGE COMMERCE CT  
WAKE FOREST, NC  
US 27587

Contact: DON JONES  
dcjones@powersecure.com

T:  
F:

## OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Oxidation (PA)	%	60	---	---	---

## CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 22	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

## 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	█ 7	---	---	---
Copper	ppm	█ 15	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 55	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	█ 1194	---	---	---
Magnesium	ppm	█ 801	---	---	---
Zinc	ppm	█ 1092	---	---	---
Phosphorus	ppm	█ 965	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 22	---	---	---

**Depot:** VP695486  
**Unique No:** 8893682  
**Signed:** Don Baldrige  
**Report Date:** 23 Jan 2020

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## GRAPHS

