

# OIL ANALYSIS REPORT

# VOLVO PENTA

## THOMAS CRUCIUS 21783117 - GENSET

Sample No: VPA038150

Oil Type: KOHLER 5W40 100% SYN G-725 API CK4

### SAMPLE INFORMATION

Sample Number	VPA038150	---	---	---
Sample Date	18 Sep 2021	---	---	---
Machine Hours	458	---	---	---
Oil Hours	65	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### INTERSTATE POWER SYSTEMS

2901 E 78TH ST  
MINNEAPOLIS, MN  
US 55425

Contact: BRADY GARBRECHT  
brady.garbrecht@istate.com

T:  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 14.7	---	---	---
Oxidation (PA)	%	66	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	51	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 4	---	---	---
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 suitable for further service.

### WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ < 1	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	49	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	1106	---	---	---
Magnesium	ppm	996	---	---	---
Zinc	ppm	1148	---	---	---
Phosphorus	ppm	1009	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	67	---	---	---

Depot: VP1103105  
Unique No: 9672307  
Signed: Angela Borella  
Report Date: 27 Sep 2021

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## GRAPHS

