

# OIL ANALYSIS REPORT



## AOS KOHLER 33G6GMLD0005 - PORT GENSET

**Sample No:** VPA051245  
**Oil Type:** KOHLER 5W40 SYNTHETIC

### SAMPLE INFORMATION

Sample Number	VPA051245	VPA051059	---	---
Sample Date	17 May 2024	25 Mar 2024	---	---
Machine Hours	898	306	---	---
Oil Hours	285	306	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	<span style="color: green;">■</span> 14.0	<span style="color: orange;">●</span> 10.0	---	---
Base Number (BN)	mg KOH/g	7.7	9.9	---	---
Oxidation (PA)	%	53	63	---	---

### 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 acceptable for the time in service.

### CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	<span style="color: green;">■</span> 0.1	<span style="color: green;">■</span> 0.1	---	---
Nitration (PA)	%	57	61	---	---
Sulfation (PA)	%	50	57	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<span style="color: green;">■</span> 0.2	---	---
Silicon	ppm	<span style="color: green;">■</span> 5	<span style="color: green;">■</span> 13	---	---
Sodium	ppm	<span style="color: green;">■</span> 3	<span style="color: green;">■</span> 3	---	---
Potassium	ppm	<span style="color: green;">■</span> 2	<span style="color: green;">■</span> 3	---	---

### WEAR METALS

Iron	ppm	<span style="color: green;">■</span> 8	<span style="color: green;">■</span> 23	---	---
Copper	ppm	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 8	---	---
Lead	ppm	<span style="color: green;">■</span> 1	<span style="color: green;">■</span> 3	---	---
Tin	ppm	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 1	---	---
Aluminum	ppm	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 6	---	---
Chromium	ppm	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> <1	---	---
Molybdenum	ppm	3	271	---	---
Nickel	ppm	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> <1	---	---
Manganese	ppm	<1	3	---	---
Vanadium	ppm	<1	<1	---	---

### ADDITIVES

Calcium	ppm	1424	1420	---	---
Magnesium	ppm	700	832	---	---
Zinc	ppm	1231	1060	---	---
Phosphorus	ppm	1041	891	---	---
Barium	ppm	0	3	---	---
Boron	ppm	162	277	---	---

**Depot:** VP153550  
**Unique No:** 11044173  
**Signed:** Don Baldrige  
**Report Date:** 24 May 2024

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**VOLVO  
PENTA**

## GRAPHS

