

# OIL ANALYSIS REPORT

# VOLVO PENTA

## KOHLER 33JGGMHH009 - GENSET

Sample No: VPA036568

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA036568	---	---	---
Sample Date	22 Feb 2024	---	---	---
Machine Hours	7	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	MARGINAL	---	---	---

### SUNCOAST DIESEL MARINE

6341 PORTER ROAD, SUITE 6  
SARASOTA, FL  
US 34240  
Contact: SERVICE MANAGER  
info@suncoastdmi.com  
T: (941)342-0033  
F:

### OIL CONDITION

Visc @ 100°C	cSt	█ 13.76	---	---	---
Oxidation (PA)	%	55	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	47	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	▲ 112	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 4	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Elemental level of silicon (Si) above normal indicating ingress of seal material. Break-in material. The condition of the oil is acceptable for the time in service.

### WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ 1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	< 1	---	---	---

### ADDITIVES

Calcium	ppm	█ 1265	---	---	---
Magnesium	ppm	█ 548	---	---	---
Zinc	ppm	█ 988	---	---	---
Phosphorus	ppm	█ 841	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 113	---	---	---

Depot: VP705283  
Unique No: 10897086  
Signed: Doug Bogart  
Report Date: 23 Feb 2024

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## GRAPHS

