

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 19228 KOHLER SGM32MG8F - PORT DIESEL ENGINE

Sample No: VPA021466

Oil Type: DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA021466	VPA039449	---	---
Sample Date	25 Aug 2023	31 Aug 2022	---	---
Machine Hours	0	833	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

**Sea Power Ltd**  
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SIDNEY, BC  
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### OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	█ 13.4	---	---
Oxidation (PA)	%	█ 58	█ 62	---	---

### CONTAMINATION

Soot %	%	█ 0	█ 0	---	---
Nitration (PA)	%	█ 48	█ 54	---	---
Sulfation (PA)	%	█ 56	█ 55	---	---
Glycol	%	█ NEG	█ NEG	---	---
Fuel	%	█ <1.0	█ <1.0	---	---
Silicon	ppm	█ 4	█ 4	---	---
Sodium	ppm	█ 2	█ 2	---	---
Potassium	ppm	█ <1	█ <1	---	---

### 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	█ 6	█ 8	---	---
Copper	ppm	█ <1	█ <1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 1	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 56	█ 47	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	█ 0	█ 0	---	---

### ADDITIVES

Calcium	ppm	█ 1019	█ 1057	---	---
Magnesium	ppm	█ 944	█ 903	---	---
Zinc	ppm	█ 1153	█ 1159	---	---
Phosphorus	ppm	█ 1029	█ 1059	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 4	█ 14	---	---

**Depot:** VP154139  
**Unique No:** 5632614  
**Signed:** Kevin Marson  
**Report Date:** 01 Sep 2023

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## GRAPHS

