

OIL ANALYSIS REPORT

**VOLVO
PENTA**

PHILLIP OLSON 10186 KOHLER SGM32F4S6 - GENSET

Sample No: VPA058824

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA058824	---	---	---
Sample Date	12 Mar 2024	---	---	---
Machine Hours	1683	---	---	---
Oil Hours	100	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

PLEASURE COVE MARINA

1701 POPLAR RIDGE RD
PASADENA, MD
US 21122
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OIL CONDITION

Visc @ 100°C	cSt	█ 14.5	---	---	---
Base Number (BN)	mg KOH/g	█ 9.9	---	---	---
Oxidation (PA)	%	59	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	47	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 6	---	---	---
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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 47	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1525	---	---	---
Magnesium	ppm	█ 549	---	---	---
Zinc	ppm	█ 1155	---	---	---
Phosphorus	ppm	█ 999	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	43	---	---	---

Depot: VP99482573
Unique No: 10989548
Signed: Sean Felton
Report Date: 23 Apr 2024

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GRAPHS

