

OIL ANALYSIS REPORT

VOLVO PENTA

SILVER SEAS YACHTS BRANDON KOHLER SGM32LJR9 - GENSET

Sample No: VPA052331
Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA052331	VPA034700	---	---
Sample Date	15 Apr 2024	22 Jun 2020	---	---
Machine Hours	167	100	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.65	█ 13.6	---	---
Base Number (BN)	mg KOH/g	█ 9.8	---	---	---
Oxidation (PA)	%	52	59	---	---

Diagnosis

No corrective action is recommended at this time. 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 suitable for further service.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0	█ 0.1	---	---
Nitration (PA)	%	38	42	---	---
Sulfation (PA)	%	49	54	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 3	█ 7	---	---
Sodium	ppm	█ 0	█ 7	---	---
Potassium	ppm	█ <1	█ 2	---	---

WEAR METALS

Iron	ppm	█ 1	█ 4	---	---
Copper	ppm	█ <1	█ 1	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 49	█ 62	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	0	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 1110	█ 1094	---	---
Magnesium	ppm	█ 973	█ 1085	---	---
Zinc	ppm	█ 1233	█ 1218	---	---
Phosphorus	ppm	█ 942	█ 1104	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 14	█ 10	---	---

Depot: VP152741
Unique No: 10992004
Signed: Doug Bogart
Report Date: 22 Apr 2024

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GRAPHS

