

OIL ANALYSIS REPORT

**VOLVO
PENTA**

HAL WILSON 44182 NORTHERN LIGHTS 6732-55033 - GENSET

Sample No: VPA049933

Oil Type: DIESEL ENGINE OIL SAE 15W30

SAMPLE INFORMATION

Sample Number	VPA049933	VPA031443	---	---
Sample Date	11 Jan 2024	07 Feb 2022	---	---
Machine Hours	696	495	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD
CHARLESTON, SC
US 29403
Contact: STEVE VASAS
steve@ccyachtsales.com

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F:

OIL CONDITION

Visc @ 100°C	cSt	12.6	13.6	---	---
Base Number (BN)	mg KOH/g	8.6	10.0	---	---
Oxidation (PA)	%	67	77	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	0.1	0.1	---	---
Nitration (PA)	%	58	50	---	---
Sulfation (PA)	%	54	62	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	<1	4	---	---
Potassium	ppm	2	6	---	---

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 suitable for further service.

WEAR METALS

Iron	ppm	5	3	---	---
Copper	ppm	2	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	2	2	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	35	7	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1441	2006	---	---
Magnesium	ppm	434	112	---	---
Zinc	ppm	1132	998	---	---
Phosphorus	ppm	937	953	---	---
Barium	ppm	3	0	---	---
Boron	ppm	64	169	---	---

Depot: VP568144
Unique No: 10835338
Signed: Don Baldrige
Report Date: 20 Jan 2024

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GRAPHS

