

OIL ANALYSIS REPORT

**VOLVO
PENTA**

RANDY JEFFERY 42287 VOLVO PENTA 7008435837 - PORT DIESEL ENGINE

Sample No: VPA043108
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA043108	VPA037671	---	---
Sample Date	26 Jan 2023	03 Nov 2021	---	---
Machine Hours	1314	1100	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

OIL CONDITION

Visc @ 100°C	cSt	13.7	13.8	---	---
Base Number (BN)	mg KOH/g	10.0	---	---	---
Oxidation (PA)	%	59	55	---	---

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	1	0.9	---	---
Nitration (PA)	%	61	56	---	---
Sulfation (PA)	%	57	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	10	10	---	---
Sodium	ppm	<1	2	---	---
Potassium	ppm	<1	0	---	---

WEAR METALS

Iron	ppm	20	18	---	---
Copper	ppm	91	82	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	3	3	---	---
Molybdenum	ppm	63	63	---	---
Nickel	ppm	3	3	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	1098	1146	---	---
Magnesium	ppm	982	1044	---	---
Zinc	ppm	1273	1292	---	---
Phosphorus	ppm	1048	1082	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	0	2	---	---

COASTAL CAROLINA YACHT SALES
145 LOCKWOOD BLVD
CHARLESTON, SC
US 29403
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T:
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Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other 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.

Depot: VP568144
Unique No: 10322169
Signed: Don Baldrige
Report Date: 04 Feb 2023

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GRAPHS

