

OIL ANALYSIS REPORT

VOLVO PENTA

FRED GUIDRY 43604 VOLVO PENTA A1093535 - PORT DIESEL ENGINE

Sample No: VPA055664

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA055664	VPA037507	VPA037663	---
Sample Date	08 Sep 2023	18 Apr 2022	16 Sep 2021	---
Machine Hours	427	345	312	---
Oil Hours	0	0	0	---
Oil Changed	Changed	N/A	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	█ 13.5	█ 13.0	---
Base Number (BN)	mg KOH/g	█ 9.8	█ 11.1	---	---
Oxidation (PA)	%	53	57	58	---

CONTAMINATION

Soot %	%	█ 0.1	█ 0.1	█ 0.1	---
Nitration (PA)	%	42	42	45	---
Sulfation (PA)	%	50	55	53	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	<1.0	---
Silicon	ppm	█ 6	█ 4	█ 6	---
Sodium	ppm	█ 2	█ <1	█ 2	---
Potassium	ppm	█ 2	█ 2	█ <1	---

WEAR METALS

Iron	ppm	█ 10	█ 6	█ 8	---
Copper	ppm	█ 4	█ 2	█ 4	---
Lead	ppm	█ 1	█ 1	█ 2	---
Tin	ppm	█ <1	█ <1	█ <1	---
Aluminum	ppm	█ 7	█ 5	█ 2	---
Chromium	ppm	█ 1	█ <1	█ 1	---
Molybdenum	ppm	█ 60	█ 59	█ 60	---
Nickel	ppm	█ 2	█ 2	█ 2	---
Titanium	ppm	█ <1	█ 0	█ 0	---
Silver	ppm	█ 0	█ <1	█ 0	---
Manganese	ppm	█ <1	█ <1	█ <1	---
Vanadium	ppm	<1	<1	0	---

ADDITIVES

Calcium	ppm	█ 1178	█ 1099	█ 1149	---
Magnesium	ppm	1098	█ 1024	1054	---
Zinc	ppm	█ 1376	█ 1298	█ 1421	---
Phosphorus	ppm	█ 1109	█ 1109	█ 1088	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 0	█ 5	█ 2	---

COASTAL CAROLINA YACHT SALES

145 LOCKWOOD BLVD

CHARLESTON, SC

US 29403

Contact: STEVE VASAS

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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.

Depot: VP568144

Unique No: 10649621

Signed: Sean Felton

Report Date: 20 Sep 2023

OIL ANALYSIS REPORT



GRAPHS

