

OIL ANALYSIS REPORT

VOLVO PENTA

TIM HAGEN VOLVO PENTA A560887 - PORT DIESEL ENGINE

Sample No: VPA056909

Oil Type: SHELL ROTELLA T 15W40

SAMPLE INFORMATION

Sample Number	VPA056909	---	---	---
Sample Date	08 Nov 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	200	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.4	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	79	---	---	---

CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	79	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 3	---	---	---
Sodium	ppm	█ < 1	---	---	---
Potassium	ppm	█ 5	---	---	---

WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 12	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1943	---	---	---
Magnesium	ppm	█ 239	---	---	---
Zinc	ppm	█ 1274	---	---	---
Phosphorus	ppm	█ 1039	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 114	---	---	---

Aqua Yacht Harbor Marina
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T:
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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: VP299833
Unique No: 10741278
Signed: Don Baldrige
Report Date: 16 Nov 2023

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GRAPHS

