

OIL ANALYSIS REPORT

VOLVO PENTA

EPY SAM VOLVO PENTA 7008565333 - PORT DIESEL ENGINE

Sample No: VPA061713
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA061713	---	---	---
Sample Date	01 Jul 2024	---	---	---
Machine Hours	123	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	● 11.7	---	---	---
Base Number (BN)	mg KOH/g	■ 7.5	---	---	---
Oxidation (PA)	%	■ 57	---	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0.8	---	---	---
Nitration (PA)	%	■ 75	---	---	---
Sulfation (PA)	%	■ 53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 27	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 3	---	---	---

WEAR METALS

Iron	ppm	■ 21	---	---	---
Copper	ppm	■ 48	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 84	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 2144	---	---	---
Magnesium	ppm	■ 55	---	---	---
Zinc	ppm	■ 1157	---	---	---
Phosphorus	ppm	■ 994	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 51	---	---	---

Depot: VP794951
Unique No: 11110445
Signed: Don Baldrige
Report Date: 08 Jul 2024

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GRAPHS

