

OIL ANALYSIS REPORT

VOLVO PENTA

PATRICK SEARS P SEARS VOLVO PENTA 513007511173 - CENTER DIESEL ENGINE

Sample No: VPA061715
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA061715	---	---	---
Sample Date	02 Jul 2024	---	---	---
Machine Hours	1200	---	---	---
Oil Hours	200	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	● 10.5	---	---	---
Base Number (BN)	mg KOH/g	■ 10.1	---	---	---
Oxidation (PA)	%	50	---	---	---

Diagnosis

The oil 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. All component wear rates are normal. Tests indicate that there is no fuel present in the oil. 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	---	---	---
Nitration (PA)	%	38	---	---	---
Sulfation (PA)	%	47	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	■ 0.2	---	---	---
Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 18	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

Iron	ppm	■ 28	---	---	---
Copper	ppm	■ 44	---	---	---
Lead	ppm	■ 3	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 60	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 1204	---	---	---
Magnesium	ppm	■ 918	---	---	---
Zinc	ppm	■ 1315	---	---	---
Phosphorus	ppm	■ 1197	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 40	---	---	---

Depot: VP794951
Unique No: 11114673
Signed: Sean Felton
Report Date: 11 Jul 2024

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GRAPHS

