

OIL ANALYSIS REPORT

**VOLVO
PENTA**

JOR PLACE R792503M VOLVO PENTA 7011464706 - PORT DIESEL ENGINE

Sample No: VPA043947

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA043947	---	---	---
Sample Date	28 Jun 2022	---	---	---
Machine Hours	185	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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432 Warren Avenue, 432 Warren Ave.
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US 04103
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	---	---	---
Base Number (BN)	mg KOH/g	█ 9.3	---	---	---
Oxidation (PA)	%	53	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 1	---	---	---
Potassium	ppm	█ 2	---	---	---

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 suitable for further service.

WEAR METALS

Iron	ppm	█ 2	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 51	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1225	---	---	---
Magnesium	ppm	█ 798	---	---	---
Zinc	ppm	█ 1257	---	---	---
Phosphorus	ppm	█ 1006	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 33	---	---	---

Depot: VP153549
Unique No: 10035680
Signed: Don Baldrige
Report Date: 02 Jul 2022

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GRAPHS

