

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 7008545097 - PORT DIESEL ENGINE

Sample No: VPA029848

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA029848	---	---	---
Sample Date	28 Jun 2023	---	---	---
Machine Hours	193	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Johnson & Towers, Inc

2021 Briggs Road
MT.LAUREL, NJ
US 08054
Contact: Bryan Stewart
bstewart@johnsontowers.com
T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 12.9	---	---	---
Base Number (BN)	mg KOH/g	█ 10.0	---	---	---
Oxidation (PA)	%	70	---	---	---

CONTAMINATION

Soot %	%	█ 0.7	---	---	---
Nitration (PA)	%	53	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

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	█ 10	---	---	---
Copper	ppm	█ 51	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 71	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1260	---	---	---
Magnesium	ppm	█ 1022	---	---	---
Zinc	ppm	█ 1366	---	---	---
Phosphorus	ppm	█ 1104	---	---	---
Barium	ppm	█ 14	---	---	---
Boron	ppm	█ 21	---	---	---

Depot: VP855105
Unique No: 10538109
Signed: Don Baldrige
Report Date: 04 Jul 2023

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GRAPHS

