

OIL ANALYSIS REPORT

VOLVO PENTA

MARK TOMINGAS 7716487 VOLVO PENTA A1130400 - CENTER DIESEL ENGINE

Sample No: VPA050501

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA050501	---	---	---
Sample Date	21 Aug 2023	---	---	---
Machine Hours	210	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

Pacific Power Group - VP981534

7215 S 228th St

Kent, WA

US 98032

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OIL CONDITION

Visc @ 100°C	cSt	█ 12.8	---	---	---
Base Number (BN)	mg KOH/g	█ 9.7	---	---	---
Oxidation (PA)	%	78	---	---	---

CONTAMINATION

Soot %	%	█ 0.6	---	---	---
Nitration (PA)	%	55	---	---	---
Sulfation (PA)	%	61	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 24	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 1	---	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.

WEAR METALS

Iron	ppm	█ 42	---	---	---
Copper	ppm	█ 39	---	---	---
Lead	ppm	█ 21	---	---	---
Tin	ppm	█ 4	---	---	---
Aluminum	ppm	█ 25	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ 8	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1733	---	---	---
Magnesium	ppm	█ 509	---	---	---
Zinc	ppm	█ 1158	---	---	---
Phosphorus	ppm	█ 947	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 51	---	---	---

Depot: VP99031103

Unique No: 10635595

Signed: Don Baldrige

Report Date: 10 Sep 2023

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GRAPHS

