

OIL ANALYSIS REPORT

VOLVO PENTA

TY VAN WAVEREN JAY POWW VOLVO PENTA 2061192878 - DIESEL ENGINE

Sample No: VPA051113

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA051113	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	692	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	---	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	63	---	---	---

Diagnosis

No corrective action is recommended at this time. 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.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	75	---	---	---
Sulfation (PA)	%	57	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 9	---	---	---
Sodium	ppm	█ 14	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 52	---	---	---
Copper	ppm	█ 60	---	---	---
Lead	ppm	█ 6	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	█ 21	---	---	---
Nickel	ppm	█ 6	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1410	---	---	---
Magnesium	ppm	█ 713	---	---	---
Zinc	ppm	█ 999	---	---	---
Phosphorus	ppm	█ 858	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 53	---	---	---

Depot: VP1224184

Unique No: 10836650

Signed: Sean Felton

Report Date: 22 Jan 2024

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GRAPHS

