

OIL ANALYSIS REPORT

VOLVO PENTA

GARY MERNELSTREN 6506 VOLVO PENTA D6-340D-G A 1099846 - PORT DIESEL ENGINE

Sample No: VPA060165

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA060165	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	180	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

Northwest Diesel Power

1325 ROEDER AVE SUITE 103

BELLINGHAM, WA

US 98225

Contact: BRANDON ROBERTSON

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.7	---	---	---
Base Number (BN)	mg KOH/g	█ 9.6	---	---	---
Oxidation (PA)	%	63	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
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 acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 8	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 109	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	< 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 1507	---	---	---
Magnesium	ppm	█ 663	---	---	---
Zinc	ppm	█ 862	---	---	---
Phosphorus	ppm	718	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 319	---	---	---

Depot: VP759009

Unique No: 10833212

Signed: Don Baldrige

Report Date: 18 Jan 2024

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GRAPHS

