

OIL ANALYSIS REPORT

VOLVO PENTA

DAVE DAVENPORT 6652 VOLVO PENTA D6-2801-B BT 2006017165 - PORT DIESEL ENGINE

Sample No: VPA055818

Oil Type: {unknown}

SAMPLE INFORMATION

Sample Number	VPA055818	---	---	---
Sample Date	28 May 2024	---	---	---
Machine Hours	1256	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

Northwest Diesel Power
1325 ROEDER AVE SUITE 103
BELLINGHAM, WA
US 98225
Contact: BRANDON ROBERTSON
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T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.1	---	---	---
Oxidation (PA)	%	58	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	57	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. The aluminum level is severe. Piston wear is indicated. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

WEAR METALS

Iron	ppm	█ 14	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 78	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 50	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1300	---	---	---
Magnesium	ppm	█ 576	---	---	---
Zinc	ppm	█ 749	---	---	---
Phosphorus	ppm	█ 652	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 209	---	---	---

Depot: VP759009
Unique No: 11058216
Signed: Jonathan Hester
Report Date: 04 Jun 2024

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GRAPHS

