

OIL ANALYSIS REPORT

**VOLVO
PENTA**

QSB 6.7 - VPA050938 (S/N NOT GIVEN) - PORT DIESEL ENGINE

Sample No: VPA050938

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA050938	---	---	---
Sample Date	09 Jul 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2
NAPLES, FL
US 34104
Contact: KEITH SPICER
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T: (239)580-8731
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 14.6	---	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	71	---	---	---

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.

CONTAMINATION

Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	56	---	---	---
Sulfation (PA)	%	59	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 7	---	---	---

WEAR METALS

Iron	ppm	█ 29	---	---	---
Copper	ppm	█ 29	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 11	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ < 1	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2056	---	---	---
Magnesium	ppm	█ 20	---	---	---
Zinc	ppm	█ 1166	---	---	---
Phosphorus	ppm	█ 964	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 205	---	---	---

Depot: VPADVNP
Unique No: 10549115
Signed: Don Baldrige
Report Date: 11 Jul 2023

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GRAPHS

