

OIL ANALYSIS REPORT

VOLVO PENTA

A72A25 - GENSET

Sample No: VPA039752

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA039752	---	---	---
Sample Date	31 Jul 2023	---	---	---
Machine Hours	571	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

ADVANCED DIESEL

1029 INDUSTRIAL BLVD, UNIT 2
NAPLES, FL

US 34104

Contact: KEITH SPICER

keith_advanceddiesel@yahoo.com

T: (239)580-8731

F:

OIL CONDITION

Visc @ 100°C	cSt	▲ 11.1	---	---	---
Base Number (BN)	mg KOH/g	■ 5.3	---	---	---
Oxidation (PA)	%	■ 44	---	---	---

CONTAMINATION

Soot %	%	■ 0.2	---	---	---
Nitration (PA)	%	■ 59	---	---	---
Sulfation (PA)	%	■ 48	---	---	---
Glycol	%	■ NEG	---	---	---
Fuel	%	■ 1.8	---	---	---
Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 1	---	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 87	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ <1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 1115	---	---	---
Magnesium	ppm	■ 627	---	---	---
Zinc	ppm	■ 859	---	---	---
Phosphorus	ppm	■ 738	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 105	---	---	---

Depot: VPADVNP

Unique No: 10586109

Signed: Don Baldrige

Report Date: 05 Aug 2023

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GRAPHS

