

OIL ANALYSIS REPORT

VOLVO PENTA

STEPHEN ANDERSON DANIEL 1502516 VOLVO PENTA A1128596 - CENTER GASOLINE ENGINE

Sample No: VPA059392

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

SAMPLE INFORMATION

Sample Number	VPA059392	---	---	---
Sample Date	20 Nov 2023	---	---	---
Machine Hours	174	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	▲ 10.2	---	---	---
Base Number (BN)	mg KOH/g	■ 6.9	---	---	---
Oxidation (PA)	%	15	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	■ 0	---	---	---
Nitration (PA)	%	12	---	---	---
Sulfation (PA)	%	12	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	▲ 8.0	---	---	---
Silicon	ppm	■ 28	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

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

ADDITIVES

Calcium	ppm	■ 1670	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	762	---	---	---
Phosphorus	ppm	626	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 62	---	---	---

Diagnosis

We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot: VP794951
Unique No: 10755303
Signed: Jonathan Hester
Report Date: 28 Nov 2023

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GRAPHS

