

OIL ANALYSIS REPORT

VOLVO PENTA

22810 VOLVO PENTA A1116402 - GASOLINE ENGINE

Sample No: VPA025986
Oil Type: VOLVO 10W40

SAMPLE INFORMATION

Sample Number	VPA025986	---	---	---
Sample Date	14 May 2021	---	---	---
Machine Hours	165	---	---	---
Oil Hours	5	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	8.7	---	---	---
Oxidation (PA)	%	32	---	---	---

CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	27	---	---	---
Sulfation (PA)	%	35	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	8.8	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	11	---	---	---
Potassium	ppm	<1	---	---	---

WEAR METALS

Iron	ppm	6	---	---	---
Copper	ppm	8	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	32	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1418	---	---	---
Magnesium	ppm	10	---	---	---
Zinc	ppm	652	---	---	---
Phosphorus	ppm	554	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

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Diagnosis

We advise that you check the fuel injection system. The oil 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 high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP230950
Unique No: 5225463
Signed: Kevin Marson
Report Date: 19 May 2021

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GRAPHS

