

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA A238124 - PORT DIESEL ENGINE

Sample No: VPA044532

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA044532	---	---	---
Sample Date	22 Aug 2023	---	---	---
Machine Hours	551	---	---	---
Oil Hours	10	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

SMART DIESEL SERVICE

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.54	---	---	---
Oxidation (PA)	%	54	---	---	---

CONTAMINATION

Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	37	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 15	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

No corrective action is recommended at this time. 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 condition of the oil is acceptable for the time in service.

WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 9	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 58	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1045	---	---	---
Magnesium	ppm	█ 843	---	---	---
Zinc	ppm	█ 1127	---	---	---
Phosphorus	ppm	█ 963	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 7	---	---	---

Depot: VPSMAPLA
Unique No: 10617806
Signed: Doug Bogart
Report Date: 23 Aug 2023

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GRAPHS

