

OIL ANALYSIS REPORT

VOLVO PENTA

HILARY BURT ALAN VOLVO PENTA 200301578 - PORT DIESEL ENGINE

Sample No: VPA06148343

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA06148343	---	---	---
Sample Date	12 Apr 2024	---	---	---
Machine Hours	1038	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ATTENTION	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	63	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	52	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 72	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	● 20	---	---	---
Chromium	ppm	█ 6	---	---	---
Molybdenum	ppm	█ 39	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	█ 1732	---	---	---
Magnesium	ppm	█ 432	---	---	---
Zinc	ppm	█ 1229	---	---	---
Phosphorus	ppm	█ 1041	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 85	---	---	---

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T:
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Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The aluminum level is abnormal. Piston wear is indicated. 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.

Depot: VP850387
Unique No: 10978421
Signed: Jonathan Hester
Report Date: 17 Apr 2024

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GRAPHS

