

OIL ANALYSIS REPORT

VOLVO PENTA

KEN BEST 502568 VOLVO PENTA 4110173328 - GASOLINE ENGINE

Sample No: VPA059391
Oil Type: VOLVO 10W40

SAMPLE INFORMATION

Sample Number	VPA059391	---	---	---
Sample Date	03 Jan 2024	---	---	---
Machine Hours	221	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.0	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	17	---	---	---

Diagnosis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0	---	---	---
Nitration (PA)	%	10	---	---	---
Sulfation (PA)	%	12	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 10	---	---	---

WEAR METALS

Iron	ppm	█ 52	---	---	---
Copper	ppm	█ 5	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 1	---	---	---
Molybdenum	ppm	10	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	< 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1286	---	---	---
Magnesium	ppm	650	---	---	---
Zinc	ppm	799	---	---	---
Phosphorus	ppm	683	---	---	---
Barium	ppm	8	---	---	---
Boron	ppm	134	---	---	---

Depot: VP794951
Unique No: 10819348
Signed: Don Baldrige
Report Date: 09 Jan 2024

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GRAPHS

