

OIL ANALYSIS REPORT

VOLVO PENTA

MARK LINTON SAM VOLVO PENTA A 1047484 - PORT DIESEL ENGINE

Sample No: VPA053123

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA053123	VPA043228	---	---
Sample Date	09 May 2024	23 Sep 2022	---	---
Machine Hours	352	270	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	█ 13.8	---	---
Base Number (BN)	mg KOH/g	█ 10.2	█ 12.4	---	---
Oxidation (PA)	%	56	69	---	---

Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.3	---	---
Nitration (PA)	%	56	84	---	---
Sulfation (PA)	%	52	56	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 12	█ 27	---	---
Sodium	ppm	█ 0	█ 6	---	---
Potassium	ppm	█ 3	█ 3	---	---

WEAR METALS

Iron	ppm	█ 24	█ 33	---	---
Copper	ppm	█ 15	█ 24	---	---
Lead	ppm	█ 3	█ 6	---	---
Tin	ppm	█ 2	█ 4	---	---
Aluminum	ppm	█ 8	█ 14	---	---
Chromium	ppm	█ 2	█ 2	---	---
Molybdenum	ppm	█ 61	█ 47	---	---
Nickel	ppm	█ 3	█ 4	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	█ <1	---	---
Manganese	ppm	█ <1	█ 2	---	---
Vanadium	ppm	<1	<1	---	---

ADDITIVES

Calcium	ppm	█ 1363	█ 2366	---	---
Magnesium	ppm	█ 820	█ 555	---	---
Zinc	ppm	█ 1159	█ 1379	---	---
Phosphorus	ppm	█ 1027	█ 1154	---	---
Barium	ppm	█ 2	█ <1	---	---
Boron	ppm	█ 13	█ 53	---	---

Depot: VP794951
Unique No: 11022874
Signed: Sean Felton
Report Date: 14 May 2024

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GRAPHS

