

OIL ANALYSIS REPORT

VOLVO PENTA

TIFFINE TOLLEN SAM VOLVO PENTA 7008494612 - PORT DIESEL ENGINE

Sample No: VPA060416
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA060416	VPA047650	---	---
Sample Date	23 Feb 2024	13 Feb 2023	---	---
Machine Hours	688	586	---	---
Oil Hours	102	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.4	█ 13.2	---	---
Base Number (BN)	mg KOH/g	█ 10.1	█ 10.4	---	---
Oxidation (PA)	%	68	55	---	---

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 suitable for further service.

CONTAMINATION

Water	%	NEG	NEG	---	---
Soot %	%	█ 0.3	█ 0.2	---	---
Nitration (PA)	%	44	46	---	---
Sulfation (PA)	%	58	52	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 11	█ 10	---	---
Sodium	ppm	█ 2	█ <1	---	---
Potassium	ppm	█ 2	█ 0	---	---

WEAR METALS

Iron	ppm	█ 8	█ 4	---	---
Copper	ppm	█ 15	█ 12	---	---
Lead	ppm	█ <1	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ <1	---	---
Chromium	ppm	█ 1	█ <1	---	---
Molybdenum	ppm	█ 46	█ 62	---	---
Nickel	ppm	█ 1	█ <1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ <1	█ <1	---	---
Manganese	ppm	█ 1	█ <1	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 1420	█ 1077	---	---
Magnesium	ppm	█ 610	█ 939	---	---
Zinc	ppm	█ 996	█ 1264	---	---
Phosphorus	ppm	█ 847	█ 1030	---	---
Barium	ppm	█ 1	█ 0	---	---
Boron	ppm	█ 44	█ 3	---	---

Depot: VP794951
Unique No: 10900898
Signed: Don Baldrige
Report Date: 29 Feb 2024

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GRAPHS

