

OIL ANALYSIS REPORT

VOLVO PENTA

ONAN ONAN - VPA051029 (S/N NOT GIVEN) - GENSET

Sample No: VPA051029

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA051029	---	---	---
Sample Date	12 Feb 2024	---	---	---
Machine Hours	351	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

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OIL CONDITION

Visc @ 100°C	cSt	█ 13.2	---	---	---
Base Number (BN)	mg KOH/g	8.4	---	---	---
Oxidation (PA)	%	60	---	---	---

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	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	50	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 16	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 5	---	---	---

WEAR METALS

Iron	ppm	█ 10	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 14	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

ADDITIVES

Calcium	ppm	█ 2059	---	---	---
Magnesium	ppm	█ 222	---	---	---
Zinc	ppm	█ 1213	---	---	---
Phosphorus	ppm	█ 1002	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 151	---	---	---

Depot: VP1298996
Unique No: 10886294
Signed: Doug Bogart
Report Date: 20 Feb 2024

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GRAPHS

