

OIL ANALYSIS REPORT

VOLVO PENTA

ONAN C090237567 - CENTER GENSET

Sample No: VPA060939

Oil Type: DIESEL ENGINE OIL SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA060939	VPA014686	---	---
Sample Date	03 Jan 2024	18 May 2022	---	---
Machine Hours	5800	5440	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changd	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

FDDA FT PIERCE - POWER CENTER

FORT PIERCE, FL
US

Contact: KYLE GRASER
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T:
F:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.86	█ 14.6	---	---
Base Number (BN)	mg KOH/g	█ 11.1	10.4	---	---
Oxidation (PA)	%	52	76	---	---

Diagnosis

No corrective action is recommended at this time. 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	NEG	---	---
Soot %	%	█ 0.1	█ 0.1	---	---
Nitration (PA)	%	69	61	---	---
Sulfation (PA)	%	52	60	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 4	---	---
Sodium	ppm	█ 0	█ 2	---	---
Potassium	ppm	█ 1	█ <1	---	---

WEAR METALS

Iron	ppm	█ 4	█ 2	---	---
Copper	ppm	█ <1	█ <1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ <1	---	---
Aluminum	ppm	█ 2	█ 1	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 55	44	---	---
Nickel	ppm	█ <1	█ 0	---	---
Titanium	ppm	█ <1	<1	---	---
Silver	ppm	█ 0	<1	---	---
Manganese	ppm	█ 0	<1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 1263	1226	---	---
Magnesium	ppm	█ 807	817	---	---
Zinc	ppm	█ 931	885	---	---
Phosphorus	ppm	█ 836	727	---	---
Barium	ppm	█ 10	0	---	---
Boron	ppm	█ 142	58	---	---

Depot: VP208659
Unique No: 10818313
Signed: Doug Bogart
Report Date: 05 Jan 2024

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GRAPHS

