

OIL ANALYSIS REPORT

VOLVO PENTA

ONAN C140644981 - GENSET

Sample No: VPA053201

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA053201	---	---	---
Sample Date	31 May 2024	---	---	---
Machine Hours	2071	---	---	---
Oil Hours	100	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

BLUE SQUARED MARITIME
4446 HENDRICKS AVENUE, #103
JACKSONVILLE, FL
US 32207
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OIL CONDITION

Visc @ 100°C	cSt	█ 13.6	---	---	---
Base Number (BN)	mg KOH/g	█ 7.8	---	---	---
Oxidation (PA)	%	69	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	48	---	---	---
Sulfation (PA)	%	56	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 8	---	---	---

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.

WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ < 1	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 2046	---	---	---
Magnesium	ppm	█ 31	---	---	---
Zinc	ppm	█ 1117	---	---	---
Phosphorus	ppm	█ 973	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 226	---	---	---

Depot: VPBLUJAC
Unique No: 11063251
Signed: Don Baldrige
Report Date: 09 Jun 2024

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GRAPHS

