

OIL ANALYSIS REPORT

**VOLVO
PENTA**

SPENCER LLOYD 01-80184 ONAN A220027043 - GENSET

Sample No: VPA041414

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA041414	---	---	---
Sample Date	30 Apr 2024	---	---	---
Machine Hours	150	---	---	---
Oil Hours	150	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

OIL CONDITION

Visc @ 100°C	cSt	█ 13.1	---	---	---
Base Number (BN)	mg KOH/g	█ 9.4	---	---	---
Oxidation (PA)	%	68	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	62	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 21	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ <1	---	---	---

WEAR METALS

Iron	ppm	█ 6	---	---	---
Copper	ppm	█ 11	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 60	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 1641	---	---	---
Magnesium	ppm	█ 755	---	---	---
Zinc	ppm	█ 997	---	---	---
Phosphorus	ppm	█ 889	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 56	---	---	---

Fordham Marine Services Inc
1336 University Blvd N
DO NOT USE, FL
US 32211-5226
Contact: Nelson Beau Fordham Jr
beaufordham@aol.com
T:
F:

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.

Depot: VP152512
Unique No: 11018393
Signed: Sean Felton
Report Date: 10 May 2024

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GRAPHS

