

OIL ANALYSIS REPORT

VOLVO PENTA

ROBERT MERCIL VOLVO PENTA 329316 - DIESEL ENGINE

Sample No: VPA046794

Oil Type: DIESEL ENGINE OIL SAE 40

SAMPLE INFORMATION

Sample Number	VPA046794	---	---	---
Sample Date	13 May 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ATTENTION	---	---	---

Power House Marina

13255 Biscayne Blvd
NORTH MIAMI, FL
US 33181
Contact: David Marcus
sales@Powerhousemarina.com

T: x:

F: x:

OIL CONDITION

Visc @ 100°C	cSt	█ 13.3	---	---	---
Base Number (BN)	mg KOH/g	█ 8.7	---	---	---
Oxidation (PA)	%	62	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The nickel level is abnormal. 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	---	---	---
Soot %	%	█ 0.3	---	---	---
Nitration (PA)	%	68	---	---	---
Sulfation (PA)	%	54	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 13	---	---	---
Sodium	ppm	█ 12	---	---	---
Potassium	ppm	█ 4	---	---	---

WEAR METALS

Iron	ppm	█ 34	---	---	---
Copper	ppm	█ 13	---	---	---
Lead	ppm	█ 5	---	---	---
Tin	ppm	█ 3	---	---	---
Aluminum	ppm	█ 16	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 61	---	---	---
Nickel	ppm	● 5	---	---	---
Titanium	ppm	█ 2	---	---	---
Silver	ppm	█ 3	---	---	---
Manganese	ppm	█ 3	---	---	---
Vanadium	ppm	2	---	---	---

ADDITIVES

Calcium	ppm	█ 1051	---	---	---
Magnesium	ppm	█ 921	---	---	---
Zinc	ppm	█ 1165	---	---	---
Phosphorus	ppm	█ 977	---	---	---
Barium	ppm	█ 1	---	---	---
Boron	ppm	█ 2	---	---	---

Depot: VP154668

Unique No: 11033682

Signed: Don Baldrige

Report Date: 20 May 2024

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GRAPHS

