

# OIL ANALYSIS REPORT

# VOLVO PENTA

## D6-440 (S/N NOT GIVEN) - DIESEL ENGINE

Sample No: VPA054420

Oil Type: DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA054420	---	---	---
Sample Date	13 Feb 2024	---	---	---
Machine Hours	65	---	---	---
Oil Hours	65	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

### FRODE ENGELSEN

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### OIL CONDITION

Visc @ 100°C	cSt	█ 12.6	---	---	---
Base Number (BN)	mg KOH/g	█ 10.1	---	---	---
Oxidation (PA)	%	76	---	---	---

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Metal levels are typical for a new component breaking in. 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 %	%	█ 0.2	---	---	---
Nitration (PA)	%	43	---	---	---
Sulfation (PA)	%	60	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 21	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 1	---	---	---

### WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 17	---	---	---
Lead	ppm	█ 4	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 7	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 38	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	█ <1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---

### ADDITIVES

Calcium	ppm	█ 1678	---	---	---
Magnesium	ppm	█ 487	---	---	---
Zinc	ppm	█ 1117	---	---	---
Phosphorus	ppm	█ 914	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 69	---	---	---

Depot: VPFROREN

Unique No: 10886295

Signed: Sean Felton

Report Date: 21 Feb 2024

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## GRAPHS

