

# OIL ANALYSIS REPORT

# VOLVO PENTA

## ONAN/CUMMINS G100135417 - GENSET

Sample No: VPA053145

Oil Type: DIESEL ENGINE OIL SAE 15W40

### SAMPLE INFORMATION

Sample Number	VPA053145	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	2054	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**JOHNSTONS MARINE SERVICES**  
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### OIL CONDITION

Visc @ 100°C	cSt	█ 14.1	---	---	---
Base Number (BN)	mg KOH/g	█ 8.6	---	---	---
Oxidation (PA)	%	65	---	---	---

### 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.

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.1	---	---	---
Nitration (PA)	%	64	---	---	---
Sulfation (PA)	%	53	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

Iron	ppm	█ 22	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ < 1	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ < 1	---	---	---
Vanadium	ppm	< 1	---	---	---

### ADDITIVES

Calcium	ppm	█ 1756	---	---	---
Magnesium	ppm	█ 460	---	---	---
Zinc	ppm	█ 1234	---	---	---
Phosphorus	ppm	█ 988	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 51	---	---	---

Depot: VPJOHDEE  
Unique No: 11008787  
Signed: Jonathan Hester  
Report Date: 07 May 2024

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## GRAPHS

