

# OIL ANALYSIS REPORT

# VOLVO PENTA

## MESLER VOLVO PENTA 2071125615 - STARBOARD DIESEL ENGINE

**Sample No:** VPA055395  
**Oil Type:** DIESEL ENGINE OIL SAE 40

### SAMPLE INFORMATION

Sample Number	VPA055395	VPA037018	---	---
Sample Date	31 Oct 2023	27 Sep 2021	---	---
Machine Hours	585	574	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	█ 13.5	█ 14.5	---	---
Base Number (BN)	mg KOH/g	█ 6.9	---	---	---
Oxidation (PA)	%	█ 67	69	---	---

### 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

Soot %	%	█ 0.2	█ 0.2	---	---
Nitration (PA)	%	█ 53	52	---	---
Sulfation (PA)	%	█ 55	59	---	---
Glycol	%	█ NEG	NEG	---	---
Fuel	%	█ <1.0	<1.0	---	---
Silicon	ppm	█ 5	█ 3	---	---
Sodium	ppm	█ 1	█ 4	---	---
Potassium	ppm	█ 9	█ 7	---	---

### WEAR METALS

Iron	ppm	█ 29	█ 11	---	---
Copper	ppm	█ 6	█ 5	---	---
Lead	ppm	█ 2	█ 2	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 1	█ 4	---	---
Chromium	ppm	█ <1	█ <1	---	---
Molybdenum	ppm	█ 2	█ 1	---	---
Nickel	ppm	█ 2	█ 1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ <1	█ <1	---	---
Manganese	ppm	█ <1	█ <1	---	---
Vanadium	ppm	█ 0	█ 0	---	---

### ADDITIVES

Calcium	ppm	█ 2014	█ 2098	---	---
Magnesium	ppm	█ 16	█ 16	---	---
Zinc	ppm	█ 1098	█ 1050	---	---
Phosphorus	ppm	█ 953	█ 963	---	---
Barium	ppm	█ 4	█ 0	---	---
Boron	ppm	█ 219	█ 190	---	---

**Depot:** VP1134331  
**Unique No:** 10724911  
**Signed:** Jonathan Hester  
**Report Date:** 03 Nov 2023

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## GRAPHS

