

# OIL ANALYSIS REPORT

# VOLVO PENTA

## 0784997 - STARBOARD GENSET

Sample No: VPA051755

Oil Type: {unknown}

### SAMPLE INFORMATION

Sample Number	VPA051755	---	---	---
Sample Date	16 Feb 2024	---	---	---
Machine Hours	1398	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	SEVERE	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	6.3	---	---	---
Base Number (BN)	mg KOH/g	7.4	---	---	---
Oxidation (PA)	%	63	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	0.2	---	---	---
Nitration (PA)	%	78	---	---	---
Sulfation (PA)	%	51	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	39.9	---	---	---
Silicon	ppm	7	---	---	---
Sodium	ppm	10	---	---	---
Potassium	ppm	5	---	---	---

### WEAR METALS

Iron	ppm	20	---	---	---
Copper	ppm	4	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	7	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	26	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	970	---	---	---
Magnesium	ppm	255	---	---	---
Zinc	ppm	731	---	---	---
Phosphorus	ppm	628	---	---	---
Barium	ppm	3	---	---	---
Boron	ppm	35	---	---	---

### INTERSTATE POWER SYSTEMS

2901 E 78TH ST  
MINNEAPOLIS, MN  
US 55425

Contact: BRADY GARBRECHT  
brady.garbrecht@istate.com

T:  
F:

### Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP1103105  
Unique No: 10886873  
Signed: Angela Borella  
Report Date: 21 Feb 2024

# OIL ANALYSIS REPORT



## GRAPHS

