

# OIL ANALYSIS REPORT

# VOLVO PENTA

## SAM LEACH VOLVO PENTA 3194009782 - STARBOARD IPS

**Sample No:** VPA036387  
**Oil Type:** GEAR OIL SAE 75W90

### SAMPLE INFORMATION

Sample Number	VPA036387	VPA046612	VPA031144	---
Sample Date	16 Nov 2023	23 Dec 2021	16 Jan 2021	---
Machine Hours	1045	1104	1045	---
Oil Hours	0	60	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

### OIL CONDITION

Visc @ 40°C	cSt	84.3	107	103	---
-------------	-----	------	-----	-----	-----

### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	7	11	34	---
Sodium	ppm	2	4	3	---
Potassium	ppm	2	0	7	---

### WEAR METALS

PQ		26	44	47	---
Iron	ppm	112	162	176	---
Copper	ppm	6	7	10	---
Lead	ppm	<1	0	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	2	1	3	---
Chromium	ppm	1	1	2	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	<1	1	2	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	2	2	2	---
Vanadium	ppm	<1	0	0	---

### ADDITIVES

Calcium	ppm	101	6	5	---
Magnesium	ppm	0	<1	2	---
Zinc	ppm	41	4	13	---
Phosphorus	ppm	434	1358	1302	---
Barium	ppm	0	0	0	---
Boron	ppm	32	338	262	---

**FULL KEEL MARINE SERVICES**  
314 LEGION AVE  
ANNAPOLIS, MD  
US 21401  
Contact: Service Manager  
FULLKEELMARINESERIVES@GMAIL.COM  
T: (410)507-3542  
F:

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** VP1298996  
**Unique No:** 10752663  
**Signed:** Sean Felton  
**Report Date:** 22 Nov 2023

# OIL ANALYSIS REPORT



## GRAPHS

