

OIL ANALYSIS REPORT

VOLVO PENTA

JASON BIELAS SAM VOLVO PENTA 3194012375 - PORT IPS

Sample No: VPA059163

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059163	VPA042615	---	---
Sample Date	01 Nov 2023	02 Aug 2022	---	---
Machine Hours	892	805	---	---
Oil Hours	0	35	---	---
Oil Changed	Not Changd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

Endor Marine LLC - Coastal Marine - 152124
4300 11th Ave. NW
SEATTLE, WA
US 98107
Contact: WILLOW YANARELLA
service@coastalmarineengine.com
T: (206)784-3703
F: (206)784-8823

OIL CONDITION

Visc @ 40°C	cSt	112	113	---	---
-------------	-----	------------	-----	-----	-----

CONTAMINATION

Silicon	ppm	10	8	---	---
Sodium	ppm	7	5	---	---
Potassium	ppm	<1	0	---	---

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 condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		15	21	---	---
Iron	ppm	150	55	---	---
Copper	ppm	10	5	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	51	2	---	---
Magnesium	ppm	2	0	---	---
Zinc	ppm	36	7	---	---
Phosphorus	ppm	1321	1400	---	---
Barium	ppm	0	0	---	---
Boron	ppm	290	420	---	---

Depot: VP794951
Unique No: 10727719
Signed: Don Baldrige
Report Date: 07 Nov 2023

OIL ANALYSIS REPORT

**VOLVO
PENTA**

GRAPHS

