

OIL ANALYSIS REPORT

VOLVO PENTA

ALASKA LUXURY TOURS FARGO VOLVO PENTA 3940027304 - PORT IPS

Sample No: VPA035211

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA035211	VPA035062	---	---
Sample Date	04 Oct 2022	11 Jul 2022	---	---
Machine Hours	2125	1691	---	---
Oil Hours	434	340	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ATTENTION	NORMAL	---	---

Sundance Mfg Inc

570 N.E. Tomahawk Isl. Dr.
Portland, OR
US 97217
Contact: CLARK HOLMES
clark@sundanceyachts.com

T:
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 104	█ 101	---	---
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CONTAMINATION

Silicon	ppm	█ 17	█ 14	---	---
Sodium	ppm	█ 7	█ 1	---	---
Potassium	ppm	█ <1	█ 6	---	---

Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other component wear rates are normal. No water, or moisture detected in the sample. 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		█ 12	█ 26	---	---
Iron	ppm	▲ 301	█ 114	---	---
Copper	ppm	█ 17	█ 16	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	5	3	---	---
Chromium	ppm	█ 2	█ 1	---	---
Molybdenum	ppm	█ 1	█ 0	---	---
Nickel	ppm	█ 2	█ 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ 6	█ 7	---	---
Vanadium	ppm	<1	0	---	---

ADDITIVES

Calcium	ppm	█ 0	█ 11	---	---
Magnesium	ppm	█ 10	38	---	---
Zinc	ppm	█ 8	█ 11	---	---
Phosphorus	ppm	█ 1339	█ 1295	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 285	█ 332	---	---

Depot: VP154394
Unique No: 10168855
Signed: Don Baldrige
Report Date: 13 Oct 2022

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GRAPHS

