

OIL ANALYSIS REPORT



ALASKA LUXURY TOURS FAGE VOLVO PENTA F3940027716 - STARBOARD IPS

Sample No: VPA060128
Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA060128	VPA035213	VPA027641	---
Sample Date	20 Aug 2023	04 Oct 2022	11 Jul 2022	---
Machine Hours	2819	2119	1687	---
Oil Hours	261	432	340	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	SEVERE	ATTENTION	---

Sundance Mfg Inc
 570 N.E. Tomahawk Isl. Dr.
 Portland, OR
 US 97217
 Contact: PATRICK HAYERTZ
 patrick@sundanceyachts.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	100	104	101	---
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CONTAMINATION

Water	%	▲ 0.439	▲ 1.67	---	---
Silicon	ppm	15	21	13	---
Sodium	ppm	30	31	1	---
Potassium	ppm	1	3	7	---

WEAR METALS

PQ		31	38	36	---
Iron	ppm	▲ 502	▲ 444	▲ 204	---
Copper	ppm	22	28	16	---
Lead	ppm	0	0	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	8	11	3	---
Chromium	ppm	4	5	2	---
Molybdenum	ppm	<1	<1	0	---
Nickel	ppm	4	5	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	<1	<1	---
Manganese	ppm	5	9	8	---
Vanadium	ppm	<1	<1	0	---

ADDITIVES

Calcium	ppm	12	0	16	---
Magnesium	ppm	11	17	93	---
Zinc	ppm	9	3	9	---
Phosphorus	ppm	1415	1310	1357	---
Barium	ppm	0	0	0	---
Boron	ppm	338	277	374	---

Diagnosis

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP154394
Unique No: 10621685
Signed: Don Baldrige
Report Date: 29 Aug 2023

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**VOLVO
PENTA**

GRAPHS

