

OIL ANALYSIS REPORT



ALASKA LUXURY TOURS OPUS VOLVO PENTA 3200005637 - STARBOARD IPS

Sample No: VPA036938
Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA036938	VPA060132	VPA060124	VPA056364
Sample Date	30 Jun 2024	17 Oct 2023	25 Aug 2023	02 Jul 2023
Machine Hours	1455	995	787	393
Oil Hours	460	208	394	393
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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

OIL CONDITION

Visc @ 40°C	cSt	103	105	100	88.3
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CONTAMINATION

Water	%	0.179	NEG	NEG	NEG
Silicon	ppm	<1	<1	<1	4
Sodium	ppm	<1	0	3	3
Potassium	ppm	2	2	5	7

WEAR METALS

PQ		23	10	16	18
Iron	ppm	80	31	75	66
Copper	ppm	25	16	25	26
Lead	ppm	0	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	2	5
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	0	<1
Nickel	ppm	2	1	2	2
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	2	4
Vanadium	ppm	0	0	<1	0

ADDITIVES

Calcium	ppm	0	4	0	26
Magnesium	ppm	3	11	79	912
Zinc	ppm	<1	<1	0	0
Phosphorus	ppm	1209	1378	1291	1638
Barium	ppm	0	9	0	0
Boron	ppm	290	337	392	566

Diagnosis

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP154394
Unique No: 11114410
Signed: Sean Felton
Report Date: 10 Jul 2024

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**VOLVO
PENTA**

GRAPHS

