

# OIL ANALYSIS REPORT



## ALASKA LUXURY TOURS OPUS VOLVO PENTA 3200005797 - PORT IPS

**Sample No:** VPA036480  
**Oil Type:** VOLVO PENTA GL-5 SAE 75W90

### SAMPLE INFORMATION

Sample Number	<b>VPA036480</b>	VPA060131	VPA060129	VPA056363
Sample Date	<b>30 Jun 2024</b>	17 Oct 2023	25 Aug 2023	02 Jul 2023
Machine Hours	<b>1455</b>	995	788	394
Oil Hours	<b>460</b>	207	395	394
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**Sundance Mfg Inc**  
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 Portland, OR  
 US 97217  
 Contact: CLARK HOLMES  
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 T:  
 F:

### OIL CONDITION

Visc @ 40°C	cSt	<b>102</b>	105	98.6	88.3
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### CONTAMINATION

Water	%	<b>0.195</b>	NEG	NEG	NEG
Silicon	ppm	<b>&lt;1</b>	<1	1	4
Sodium	ppm	<b>1</b>	0	6	6
Potassium	ppm	<b>1</b>	2	6	8

### WEAR METALS

PQ		<b>23</b>	10	19	24
Iron	ppm	<b>50</b>	19	94	81
Copper	ppm	<b>22</b>	14	28	27
Lead	ppm	<b>0</b>	<1	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	2	4	6
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	<1	1	<1
Nickel	ppm	<b>1</b>	<1	2	2
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	3	4
Vanadium	ppm	<b>0</b>	0	<1	0

### ADDITIVES

Calcium	ppm	<b>0</b>	45	5	30
Magnesium	ppm	<b>23</b>	13	114	898
Zinc	ppm	<b>&lt;1</b>	8	2	0
Phosphorus	ppm	<b>1196</b>	1274	1439	1617
Barium	ppm	<b>0</b>	9	0	0
Boron	ppm	<b>293</b>	306	443	559

### 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:** 11114409  
**Signed:** Sean Felton  
**Report Date:** 10 Jul 2024

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# VOLVO PENTA

## GRAPHS

