

OIL ANALYSIS REPORT

VOLVO PENTA

BRUCE GOODMAN 11006 VOLVO PENTA 3950002141 - STARBOARD IPS

Sample No: VPA055465

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA055465	VPA044689	VPA030971	---
Sample Date	26 Jun 2023	07 Dec 2022	08 Dec 2020	---
Machine Hours	725	0	0	---
Oil Hours	720	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---

BAY MARINE

3 E MADISON ST

WAUKEGAN, IL

US 60085

Contact: NANCY FELHOFER

NANCY.FELHOFER@BAYMARINE.NET

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OIL CONDITION

Visc @ 40°C	cSt	104	108	105	---
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CONTAMINATION

Silicon	ppm	2	3	9	---
Sodium	ppm	0	1	1	---
Potassium	ppm	1	0	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		22	4	26	---
Iron	ppm	8	7	23	---
Copper	ppm	0	<1	2	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	3	---
Manganese	ppm	<1	<1	<1	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	9	8	6	---
Magnesium	ppm	4	3	7	---
Zinc	ppm	0	10	3	---
Phosphorus	ppm	1456	1333	1319	---
Barium	ppm	0	0	0	---
Boron	ppm	316	319	346	---

Depot: VP1174336

Unique No: 10535766

Signed: Angela Borella

Report Date: 30 Jun 2023

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GRAPHS

