

OIL ANALYSIS REPORT

VOLVO PENTA

STEVE MUCH 50-55 3499 VOLVO PENTA 3200003457 - STARBOARD IPS

Sample No: VPA049736

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA049736	VPA047652	---	---
Sample Date	10 Nov 2023	02 May 2023	---	---
Machine Hours	300	194	---	---
Oil Hours	0	194	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---

GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

Contact: ROBERT ANTONA

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F:

OIL CONDITION

Visc @ 40°C	cSt	101	90.2	---	---
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CONTAMINATION

Silicon	ppm	<1	3	---	---
Sodium	ppm	3	21	---	---
Potassium	ppm	<1	5	---	---

WEAR METALS

PQ		19	19	---	---
Iron	ppm	38	54	---	---
Copper	ppm	13	19	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminium	ppm	1	2	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	1	2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	2	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	7	26	---	---
Magnesium	ppm	102	802	---	---
Zinc	ppm	0	20	---	---
Phosphorus	ppm	1405	1559	---	---
Barium	ppm	0	0	---	---
Boron	ppm	316	241	---	---

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.

Depot: VP531377

Unique No: 10749039

Signed: Doug Bogart

Report Date: 19 Nov 2023

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PENTA**

GRAPHS

