

OIL ANALYSIS REPORT

VOLVO PENTA

GRAND BANKS PB50-07 VOLVO PENTA 3950006339 - STARBOARD IPS

Sample No: VPA047233

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA047233	VPA042096	VPA045404	---
Sample Date	01 Sep 2023	13 Apr 2023	01 Oct 2022	---
Machine Hours	520	422	369	---
Oil Hours	150	200	250	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	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	█ 106	█ 106	█ 108	---
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CONTAMINATION

Silicon	ppm	█ 2	█ 4	█ 2	---
Sodium	ppm	█ <1	█ 0	█ 1	---
Potassium	ppm	█ 2	█ 1	█ <1	---

WEAR METALS

PQ		█ 12	█ 12	█ 12	---
Iron	ppm	█ 17	█ 35	█ 38	---
Copper	ppm	█ 1	█ 1	█ 4	---
Lead	ppm	█ 0	█ 0	█ 0	---
Tin	ppm	█ 0	█ 0	█ 0	---
Aluminum	ppm	█ 0	█ 0	█ 0	---
Chromium	ppm	█ <1	█ <1	█ <1	---
Molybdenum	ppm	█ 0	█ <1	█ 2	---
Nickel	ppm	█ 0	█ 0	█ <1	---
Titanium	ppm	█ 0	█ 0	█ <1	---
Silver	ppm	█ 0	█ 0	█ <1	---
Manganese	ppm	█ <1	█ 1	█ 3	---
Vanadium	ppm	█ 0	█ 0	█ 0	---

ADDITIVES

Calcium	ppm	█ 34	█ 12	█ 29	---
Magnesium	ppm	█ 5	█ 12	█ 55	---
Zinc	ppm	█ 23	█ 10	█ 10	---
Phosphorus	ppm	█ 1436	█ 1356	█ 1350	---
Barium	ppm	█ 0	█ 0	█ 2	---
Boron	ppm	█ 313	█ 356	█ 333	---

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: 10641994

Signed: Don Baldrige

Report Date: 12 Sep 2023

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GRAPHS

