

OIL ANALYSIS REPORT

VOLVO PENTA

MARK BLOOM PB4510 VOLVO PENTA 3940027403 - STARBOARD IPS

Sample No: VPA050466

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA050466	VPA037290	---	---
Sample Date	24 Jun 2024	12 Nov 2021	---	---
Machine Hours	970	722	---	---
Oil Hours	150	150	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 104.0	█ 103	---	---
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CONTAMINATION

Water	%	█ 0.177	NEG	---	---
Silicon	ppm	█ 2	12	---	---
Sodium	ppm	█ 1	5	---	---
Potassium	ppm	█ <1	9	---	---

WEAR METALS

PQ		█ 16	█ 28	---	---
Iron	ppm	█ 31	█ 132	---	---
Copper	ppm	█ 6	█ 15	---	---
Lead	ppm	█ 0	<1	---	---
Tin	ppm	█ 0	<1	---	---
Aluminum	ppm	█ <1	3	---	---
Chromium	ppm	█ 0	█ 2	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 0	█ 2	---	---
Titanium	ppm	█ 0	0	---	---
Silver	ppm	1	<1	---	---
Manganese	ppm	█ <1	█ 7	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 13	█ 11	---	---
Magnesium	ppm	█ 2	59	---	---
Zinc	ppm	█ 11	█ 20	---	---
Phosphorus	ppm	█ 1408	█ 1345	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 281	█ 324	---	---

GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

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F:

Diagnosis

No corrective action is recommended at this time. 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: VP531377

Unique No: 11099988

Signed: Doug Bogart

Report Date: 26 Jun 2024

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GRAPHS

