

OIL ANALYSIS REPORT

VOLVO PENTA

JONATHAN CHESNER 3166-223 VOLVO PENTA 3950001960 - STARBOARD IPS

Sample No: VPA258849

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA258849	VPA023837	---	---
Sample Date	19 Jun 2023	16 Aug 2022	---	---
Machine Hours	1023	872	---	---
Oil Hours	200	200	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	106	108	---	---
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CONTAMINATION

Water	%	▲ 0.352	---	---	---
Silicon	ppm	4	2	---	---
Sodium	ppm	0	3	---	---
Potassium	ppm	16	<1	---	---

WEAR METALS

PQ		22	22	---	---
Iron	ppm	58	150	---	---
Copper	ppm	6	9	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	4	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	1	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	3	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	5	4	---	---
Magnesium	ppm	1	16	---	---
Zinc	ppm	19	57	---	---
Phosphorus	ppm	1359	1328	---	---
Barium	ppm	0	<1	---	---
Boron	ppm	366	319	---	---

GRAND BANKS

450 SW SALEM RD

STUART, FL

US 34994

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Diagnosis

We advise that you check for the source of water entry. 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. Appearance is hazy. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP531377

Unique No: 10534226

Signed: Doug Bogart

Report Date: 07 Jul 2023

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GRAPHS

