

OIL ANALYSIS REPORT

VOLVO PENTA

MARYLAND PILOTS FELS PT ZF 20366181 - INBOARD - PORT GEARBOX

Sample No: VPA029841

Oil Type: SAE 30W

SAMPLE INFORMATION

Sample Number	VPA029841	---	---	---
Sample Date	22 Jun 2023	---	---	---
Machine Hours	3597	---	---	---
Oil Hours	747	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 77.3	---	---	---
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CONTAMINATION

Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

PQ		■ 23	---	---	---
Iron	ppm	■ 35	---	---	---
Copper	ppm	▲ 123	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	▲ 12	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 58	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 763	---	---	---
Magnesium	ppm	■ 420	---	---	---
Zinc	ppm	■ 549	---	---	---
Phosphorus	ppm	■ 489	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 141	---	---	---

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T:
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Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Clutch and/or bushing/bearing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP154539
Unique No: 10535178
Signed: Jonathan Hester
Report Date: 30 Jun 2023

OIL ANALYSIS REPORT

GRAPHS

