

OIL ANALYSIS REPORT

VOLVO PENTA

LEHRMAN VOLVO PENTA 39400020137 - PORT IPS

Sample No: VPA021382
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA021382	---	---	---
Sample Date	06 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

FULL KEEL MARINE SERVICES
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ANNAPOLIS, MD
US 21401
Contact: Service Manager
FULLKEELMARINESERIVES@GMAIL.COM
T: (410)507-3542
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 104	---	---	---
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CONTAMINATION

Water	%	▲ 0.265	---	---	---
Silicon	ppm	■ 12	---	---	---
Sodium	ppm	■ 9	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

PQ		■ 29	---	---	---
Iron	ppm	▲ 218	---	---	---
Copper	ppm	■ 11	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 45	---	---	---
Magnesium	ppm	■ 13	---	---	---
Zinc	ppm	■ 24	---	---	---
Phosphorus	ppm	■ 1514	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 309	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP1298996
Unique No: 10782300
Signed: Jonathan Hester
Report Date: 15 Dec 2023

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GRAPHS

