

OIL ANALYSIS REPORT

VOLVO PENTA

LEHRMAN VOLVO PENTA 39400020138 - STARBOARD IPS

Sample No: VPA021952
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA021952	---	---	---
Sample Date	06 Dec 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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ANNAPOLIS, MD
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T: (410)507-3542
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 105	---	---	---
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CONTAMINATION

Water	%	▲ 0.203	---	---	---
Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis

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

WEAR METALS

PQ		■ 34	---	---	---
Iron	ppm	■ 164	---	---	---
Copper	ppm	■ 9	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 16	---	---	---
Magnesium	ppm	■ 15	---	---	---
Zinc	ppm	■ 12	---	---	---
Phosphorus	ppm	■ 1492	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 312	---	---	---

Depot: VP1298996
Unique No: 10782301
Signed: Jonathan Hester
Report Date: 15 Dec 2023

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GRAPHS

