

OIL ANALYSIS REPORT

VOLVO PENTA

GOSLEE GREG ELLIS VOLVO PENTA 3940024135 - STARBOARD IPS

Sample No: VPA059838

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059838	---	---	---
Sample Date	26 Oct 2023	---	---	---
Machine Hours	1450	---	---	---
Oil Hours	200	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 98.2	---	---	---
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CONTAMINATION

Water	%	▲ 0.314	---	---	---
Silicon	ppm	■ 20	---	---	---
Sodium	ppm	■ 30	---	---	---
Potassium	ppm	■ 2	---	---	---

WEAR METALS

PQ		■ 25	---	---	---
Iron	ppm	▲ 559	---	---	---
Copper	ppm	■ 29	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 7	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 6	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 6	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 16	---	---	---
Magnesium	ppm	■ 21	---	---	---
Zinc	ppm	■ 24	---	---	---
Phosphorus	ppm	■ 1275	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 221	---	---	---

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T:
F:

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: VP648685
Unique No: 10715859
Signed: Jonathan Hester
Report Date: 02 Nov 2023

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GRAPHS

