

OIL ANALYSIS REPORT

VOLVO PENTA

GARLAND HAGEN R10401772 VOLVO PENTA 3950008331 - STARBOARD IPS

Sample No: VPA029836

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA029836	---	---	---
Sample Date	10 May 2024	---	---	---
Machine Hours	41	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	MARGINAL	---	---	---

Western Branch Diesel, Inc. - VP527273

3504 SHIPWRIGHT ST
PORTSMOUTH, VA
US 23703

Contact: GEORGE ROGIC
grogic@wbdiesel.com

T:
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 82.6	---	---	---
-------------	-----	--------	-----	-----	-----

CONTAMINATION

Water	%	▲ 0.171	---	---	---
Silicon	ppm	■ 12	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 3	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a trace of moisture present in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		■ 54	---	---	---
Iron	ppm	■ 171	---	---	---
Copper	ppm	■ 5	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 5	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 7	---	---	---
Magnesium	ppm	■ 167	---	---	---
Zinc	ppm	■ 0	---	---	---
Phosphorus	ppm	■ 1306	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 333	---	---	---

Depot: VP155396

Unique No: 11023548

Signed: Jonathan Hester

Report Date: 17 May 2024

OIL ANALYSIS REPORT

VOLVO PENTA

GRAPHS

