

OIL ANALYSIS REPORT

VOLVO PENTA

TIM HALAHAN VOLVO PENTA 3940018215 - PORT IPS

Sample No: VPA060057

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA060057	---	---	---
Sample Date	06 Oct 2023	---	---	---
Machine Hours	512	---	---	---
Oil Hours	45	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 98.6	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 127	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 1	---	---	---

WEAR METALS

PQ		■ 13	---	---	---
Iron	ppm	■ 21	---	---	---
Copper	ppm	7	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 36	---	---	---
Magnesium	ppm	5	---	---	---
Zinc	ppm	■ 15	---	---	---
Phosphorus	ppm	■ 1365	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 346	---	---	---

McDonnell Marine Service

63 Old Windsor Rd.

BLOOMFIELD, CT

US 06002-1404

Contact: Brian McDonnell

brmcdonnell@comcast.net

T:

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Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

Depot: VP153357

Unique No: 10753763

Signed: Don Baldrige

Report Date: 24 Nov 2023

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GRAPHS

