

OIL ANALYSIS REPORT

VOLVO PENTA

BRIAN MCCULLOUGH VOLVO PENTA 3868913 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA045197

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA045197	---	---	---
Sample Date	02 Aug 2023	---	---	---
Machine Hours	337	---	---	---
Oil Hours	20	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 106.9	---	---	---
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CONTAMINATION

Water	%	▲ 0.251	---	---	---
Silicon	ppm	█ <1	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---

WEAR METALS

PQ		█ 18	---	---	---
Iron	ppm	● 336	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 11	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 15	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 23	---	---	---
Phosphorus	ppm	█ 1323	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 239	---	---	---

MARINE EVOLUTIONS

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Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: vp446360
Unique No: 10589074
Signed: Jonathan Hester
Report Date: 10 Aug 2023

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GRAPHS

