

OIL ANALYSIS REPORT

VOLVO PENTA

BRIAN JOHNSON VOLVO PENTA BRIAN JOHNSON (S/N NOT AVAILABLE) - STARBOARD IPS

Sample No: VPA052149

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA052149	---	---	---
Sample Date	28 Jun 2024	---	---	---
Machine Hours	980	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 184	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 2	---	---	---

WEAR METALS

PQ		█ 21	---	---	---
Iron	ppm	▲ 918	---	---	---
Copper	ppm	▲ 78	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	▲ 33	---	---	---
Chromium	ppm	▲ 5	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 9	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	█ 35	---	---	---
Magnesium	ppm	█ 13	---	---	---
Zinc	ppm	█ 54	---	---	---
Phosphorus	ppm	█ 1423	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 155	---	---	---

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Diagnosis

Oil and filter 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. Clutch wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP1298996
Unique No: 11110315
Signed: Jonathan Hester
Report Date: 05 Jul 2024

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GRAPHS

