

OIL ANALYSIS REPORT

VOLVO PENTA

VOLVO PENTA 3102277451 - STERNDRIVE - PORT GEARBOX

Sample No: VPA059949

Oil Type: VOLVO PENTA GL-5 SAE 75W140

SAMPLE INFORMATION

Sample Number	VPA059949	VPA027621	VPA010324	---
Sample Date	04 Jan 2024	11 Feb 2020	27 Feb 2019	---
Machine Hours	433	318	267	---
Oil Hours	0	51	48	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	ATTENTION	NORMAL	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 165	163	█ 102.1	---
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CONTAMINATION

Water	%	NEG	▲ 0.184	NEG	---
Silicon	ppm	█ 1	█ 2	█ 4	---
Sodium	ppm	█ 2	█ 2	█ 4	---
Potassium	ppm	█ <1	█ 2	█ 8	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		█ 16	█ 14	█ 26	---
Iron	ppm	█ 1	█ 6	█ 14	---
Copper	ppm	█ 0	█ <1	█ <1	---
Lead	ppm	█ 0	█ 0	█ 0	---
Tin	ppm	█ 0	█ <1	█ 0	---
Aluminum	ppm	█ <1	█ 2	█ 2	---
Chromium	ppm	█ 0	<1	<1	---
Molybdenum	ppm	█ 0	█ 0	█ <1	---
Nickel	ppm	█ 0	<1	<1	---
Titanium	ppm	█ 0	0	<1	---
Silver	ppm	█ 0	0	0	---
Manganese	ppm	█ <1	█ <1	█ <1	---
Vanadium	ppm	█ 0	0	0	---

ADDITIVES

Calcium	ppm	█ 13	█ 18	█ 30	---
Magnesium	ppm	█ 869	█ 772	█ <1	---
Zinc	ppm	█ 0	█ 4	█ 6	---
Phosphorus	ppm	█ 1509	█ 1307	█ 1258	---
Barium	ppm	█ 0	█ 0	█ 0	---
Boron	ppm	█ 479	█ 435	█ 268	---

Depot: VP179089
Unique No: 10829762
Signed: Don Baldrige
Report Date: 14 Jan 2024

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PENTA**

GRAPHS

