

OIL ANALYSIS REPORT

VOLVO PENTA

19271 13600K - GEAR UNIT

Sample No: VPA049597

Oil Type: ATF

SAMPLE INFORMATION

Sample Number	VPA049597	---	---	---
Sample Date	24 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	▲ 42.9	---	---	---
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CONTAMINATION

Silicon	ppm	■ 7	---	---	---
Sodium	ppm	■ 2	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

PQ		■ 9	---	---	---
Iron	ppm	■ 33	---	---	---
Copper	ppm	▲ 158	---	---	---
Lead	ppm	▲ 66	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	49	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	13	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 734	---	---	---
Magnesium	ppm	550	---	---	---
Zinc	ppm	608	---	---	---
Phosphorus	ppm	■ 642	---	---	---
Barium	ppm	■ 10	---	---	---
Boron	ppm	■ 128	---	---	---

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Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Copper and lead ppm levels are noted. All other component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 10W range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: VP154139
Unique No: 5632856
Signed: Kevin Marson
Report Date: 01 Sep 2023

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GRAPHS

