

OIL ANALYSIS REPORT

VOLVO PENTA

APRIL FORSEY AK 502020 VOLVO PENTA 4251008787 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA045933

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA045933	VPA034081	---	---
Sample Date	23 Jun 2023	05 Apr 2022	---	---
Machine Hours	318	0	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	ABNORMAL	SEVERE	---	---

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OIL CONDITION

Visc @ 40°C	cSt	█ 110	█ 108	---	---
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CONTAMINATION

Silicon	ppm	█ 4	█ 5	---	---
Sodium	ppm	█ 5	█ 6	---	---
Potassium	ppm	█ 1	█ <1	---	---

WEAR METALS

PQ		█ 22	█ 18	---	---
Iron	ppm	▲ 403	● 781	---	---
Copper	ppm	█ 1	█ 2	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	▲ 12	● 17	---	---
Chromium	ppm	█ 4	8	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 4	6	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	█ 5	█ 10	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	█ 12	█ 11	---	---
Magnesium	ppm	█ 26	█ <1	---	---
Zinc	ppm	█ 16	█ 25	---	---
Phosphorus	ppm	█ 1250	█ 1341	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 291	█ 311	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP794951
Unique No: 10537417
Signed: Don Baldrige
Report Date: 03 Jul 2023

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GRAPHS

