

OIL ANALYSIS REPORT

VOLVO PENTA

RAFFY LORENTZIAN 205581 VOLVO PENTA A218121 - STERNDRIVE - STARBOARD GEARBOX

Sample No: VPA062005

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA062005	VPA023716	---	---
Sample Date	10 May 2024	08 Oct 2021	---	---
Machine Hours	452	450	---	---
Oil Hours	0	15	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	SEVERE	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 94.1	■ 108	---	---
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CONTAMINATION

Water	%	▲ 0.306	NEG	---	---
Silicon	ppm	■ 13	■ 3	---	---
Sodium	ppm	■ 18	■ 24	---	---
Potassium	ppm	■ 1	■ 0	---	---

WEAR METALS

PQ		■ 66	■ 25	---	---
Iron	ppm	■ 124	▲ 429	---	---
Copper	ppm	■ 2	■ 2	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ <1	■ 0	---	---
Aluminum	ppm	■ 10	▲ 9	---	---
Chromium	ppm	■ 3	5	---	---
Molybdenum	ppm	■ 135	■ 0	---	---
Nickel	ppm	■ 9	6	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ 14	■ 4	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	■ 264	■ 31	---	---
Magnesium	ppm	■ 51	■ 3	---	---
Zinc	ppm	■ 235	■ 47	---	---
Phosphorus	ppm	■ 1575	■ 1177	---	---
Barium	ppm	■ 3	■ 0	---	---
Boron	ppm	■ 390	■ 198	---	---

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Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is hazy. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP152133
Unique No: 11029236
Signed: Jonathan Hester
Report Date: 17 May 2024

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GRAPHS

