

OIL ANALYSIS REPORT

VOLVO PENTA

3194009756 - PORT IPS

Sample No: VPA055249

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA055249	VPA047054	---	---
Sample Date	28 Jul 2023	21 Mar 2023	---	---
Machine Hours	1030	1022	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	SEVERE	---	---

OIL CONDITION

Visc @ 40°C	cSt	█ 108	█ 118	---	---
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CONTAMINATION

Water	%	▲ 0.572	● 3.55	---	---
Silicon	ppm	█ 8	█ 16	---	---
Sodium	ppm	█ 64	▲ 389	---	---
Potassium	ppm	█ 3	█ 15	---	---

WEAR METALS

PQ		█ 18	█ 29	---	---
Iron	ppm	█ 94	● 413	---	---
Copper	ppm	█ 15	42	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	5	█ 16	---	---
Chromium	ppm	█ <1	█ 3	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ <1	█ 5	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 2	█ 6	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	█ 11	█ 30	---	---
Magnesium	ppm	█ 12	█ 50	---	---
Zinc	ppm	█ 26	█ 49	---	---
Phosphorus	ppm	█ 1451	█ 1593	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 295	█ 314	---	---

ADVANCED DIESEL

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Diagnosis

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

Depot: VPADVNP
Unique No: 10579385
Signed: Jonathan Hester
Report Date: 03 Aug 2023

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GRAPHS

