

OIL ANALYSIS REPORT

VOLVO PENTA

1819 VOLVO PENTA 3200002385 - CENTER IPS

Sample No: VPA059492

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059492	---	---	---
Sample Date	01 Apr 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

SMART DIESEL SERVICE

102 NW 133RD AVE, UNIT 103
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US 33325

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F:

OIL CONDITION

Visc @ 40°C	cSt	■ 116	---	---	---
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CONTAMINATION

Water	%	▲ 1.45	---	---	---
Silicon	ppm	■ 1	---	---	---
Sodium	ppm	● 177	---	---	---
Potassium	ppm	■ 9	---	---	---

WEAR METALS

PQ		■ 18	---	---	---
Iron	ppm	■ 49	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 49	---	---	---
Magnesium	ppm	■ 33	---	---	---
Zinc	ppm	■ 63	---	---	---
Phosphorus	ppm	■ 1425	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 254	---	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor. All component wear rates are normal. Appearance is unacceptable. There is a light concentration of water present in the oil. The high sodium (Na) level indicates the possible presence of salt water. The oil is no longer serviceable due to the presence of contaminants.

Depot: VPSMAPLA

Unique No: 10968554

Signed: Doug Bogart

Report Date: 11 Apr 2024

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GRAPHS

