

OIL ANALYSIS REPORT

VOLVO PENTA

DENNIS WOODS 7716868 VOLVO PENTA 3102191862 - STERNDRIVE - PORT GEARBOX

Sample No: VPA036287

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA036287	VPA046265	---	---
Sample Date	13 Sep 2023	07 Feb 2023	---	---
Machine Hours	2154	2114	---	---
Oil Hours	0	59	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	SEVERE	---	---

Pacific Power Group - VP981534

7215 S 228th St

Kent, WA

US 98032

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F:

OIL CONDITION

Visc @ 40°C	cSt	■ 94.0	■ 130	---	---
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CONTAMINATION

Water	%	---	■ 7.66	---	---
Silicon	ppm	■ 4	■ 3	---	---
Sodium	ppm	■ 16	■ 63	---	---
Potassium	ppm	■ 1	■ 29	---	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		■ 25	■ 61	---	---
Iron	ppm	■ 89	■ 40	---	---
Copper	ppm	■ 2	■ 2	---	---
Lead	ppm	■ <1	■ 6	---	---
Tin	ppm	■ 0	■ 2	---	---
Aluminum	ppm	■ 3	■ 2	---	---
Chromium	ppm	■ 1	■ 1	---	---
Molybdenum	ppm	■ 2	■ <1	---	---
Nickel	ppm	■ 2	■ 2	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	3	---	---
Manganese	ppm	■ 3	■ 1	---	---
Vanadium	ppm	0	<1	---	---

ADDITIVES

Calcium	ppm	■ 7	■ 23	---	---
Magnesium	ppm	■ 25	■ 30	---	---
Zinc	ppm	■ 44	■ 28	---	---
Phosphorus	ppm	■ 1363	■ 334	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 270	■ 25	---	---

Depot: VP99031103

Unique No: 10662636

Signed: Jonathan Hester

Report Date: 28 Sep 2023

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GRAPHS

