

OIL ANALYSIS REPORT

VOLVO PENTA

STEVEN HAFENER VOLVO PENTA 3940025557 - PORT IPS

Sample No: VPA056169
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA056169	VPA044695	VPA037822	---
Sample Date	11 Oct 2023	22 Sep 2022	30 Jul 2021	---
Machine Hours	308	237	107	---
Oil Hours	0	130	107	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---

Pacific Power Group - VP981534
7215 S 228th St
Kent, WA
US 98032
Contact: PAT RYAN
pryan@pacificpowergroup.com
T: (253)520-5163
F:

OIL CONDITION

Visc @ 40°C	cSt	█ 104	█ 105	█ 96.0	---
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CONTAMINATION

Silicon	ppm	█ 6	█ 7	█ 6	---
Sodium	ppm	█ <1	█ 5	█ 3	---
Potassium	ppm	█ 2	█ 1	█ 2	---

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		█ 11	█ 7	█ 25	---
Iron	ppm	█ 8	█ 16	█ 13	---
Copper	ppm	█ 3	█ 7	█ 6	---
Lead	ppm	█ <1	█ 0	█ 0	---
Tin	ppm	█ 0	█ <1	█ 0	---
Aluminum	ppm	█ 2	█ 1	█ <1	---
Chromium	ppm	█ <1	█ <1	█ <1	---
Molybdenum	ppm	█ <1	█ <1	█ <1	---
Nickel	ppm	█ <1	█ <1	█ 0	---
Titanium	ppm	█ <1	█ 0	█ 0	---
Silver	ppm	█ 0	█ 0	█ 0	---
Manganese	ppm	█ <1	█ 1	█ 3	---
Vanadium	ppm	█ 0	█ 0	█ 0	---

ADDITIVES

Calcium	ppm	█ 9	█ 6	█ 15	---
Magnesium	ppm	█ 8	█ 77	█ 902	---
Zinc	ppm	█ 3	█ 5	█ 10	---
Phosphorus	ppm	█ 1431	█ 1316	█ 1554	---
Barium	ppm	█ 9	█ 0	█ 0	---
Boron	ppm	█ 339	█ 333	█ 796	---

Depot: VP99031103
Unique No: 10709563
Signed: Sean Felton
Report Date: 25 Oct 2023

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GRAPHS

