

OIL ANALYSIS REPORT

VOLVO PENTA

STEVEN HAFENER 7716397 VOLVO PENTA 3940025556 - STARBOARD IPS

Sample No: VPA056167

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA056167	VPA044697	VPA037819	---
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

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F:

OIL CONDITION

Visc @ 40°C	cSt	103	106	95.8	---
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CONTAMINATION

Silicon	ppm	7	9	6	---
Sodium	ppm	5	6	4	---
Potassium	ppm	2	3	3	---

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		12	7	20	---
Iron	ppm	9	25	18	---
Copper	ppm	5	6	6	---
Lead	ppm	<1	<1	0	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	2	1	<1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	<1	2	0	---
Nickel	ppm	<1	<1	0	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	2	4	---
Vanadium	ppm	0	0	0	---

ADDITIVES

Calcium	ppm	10	9	9	---
Magnesium	ppm	10	77	913	---
Zinc	ppm	5	7	2	---
Phosphorus	ppm	1429	1339	1566	---
Barium	ppm	9	0	0	---
Boron	ppm	337	335	799	---

Depot: VP99031103

Unique No: 10709562

Signed: Sean Felton

Report Date: 25 Oct 2023

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GRAPHS

