

OIL ANALYSIS REPORT

VOLVO PENTA

ANDREW SONGER 7717005 VOLVO PENTA 3950002602 - STARBOARD IPS

Sample No: VPA049624

Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA049624	VPA043359	VPA026048	---
Sample Date	11 Oct 2023	12 Oct 2022	09 Sep 2021	---
Machine Hours	839	811	746	---
Oil Hours	11	0	0	---
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	109	113	107	---
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CONTAMINATION

Silicon	ppm	<1	1	2	---
Sodium	ppm	0	<1	4	---
Potassium	ppm	2	0	<1	---

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		8	11	26	---
Iron	ppm	1	14	40	---
Copper	ppm	<1	1	4	---
Lead	ppm	<1	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	2	0	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	1	2	---
Vanadium	ppm	0	<1	0	---

ADDITIVES

Calcium	ppm	8	0	6	---
Magnesium	ppm	3	0	10	---
Zinc	ppm	4	0	0	---
Phosphorus	ppm	1436	1214	1334	---
Barium	ppm	9	0	0	---
Boron	ppm	335	295	361	---

Depot: VP99031103

Unique No: 10709561

Signed: Sean Felton

Report Date: 25 Oct 2023

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GRAPHS

