

OIL ANALYSIS REPORT

VOLVO PENTA

STEVE MALONE PATRICK/502333-7250 VOLVO PENTA 3950002323 - STARBOARD IPS

Sample No: VPA060783

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA060783	VPA042097	---	---
Sample Date	11 Sep 2023	26 Sep 2022	---	---
Machine Hours	1464	1440	---	---
Oil Hours	69	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	NORMAL	---	---

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OIL CONDITION

Visc @ 40°C	cSt	109	105	---	---
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CONTAMINATION

Silicon	ppm	2	7	---	---
Sodium	ppm	2	18	---	---
Potassium	ppm	4	<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		12	25	---	---
Iron	ppm	14	119	---	---
Copper	ppm	1	11	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	<1	6	---	---
Chromium	ppm	0	<1	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	3	2	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	19	6	---	---
Magnesium	ppm	30	11	---	---
Zinc	ppm	0	45	---	---
Phosphorus	ppm	1385	1325	---	---
Barium	ppm	0	0	---	---
Boron	ppm	352	294	---	---

Depot: VP794951
Unique No: 10648965
Signed: Sean Felton
Report Date: 19 Sep 2023

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GRAPHS

