

OIL ANALYSIS REPORT

VOLVO PENTA

MATT BIRCHBY 502362 VOLVO PENTA 3940021486 - STARBOARD IPS

Sample No: VPA059630

Oil Type: VOLVO API GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059630	---	---	---
Sample Date	20 Sep 2023	---	---	---
Machine Hours	471	---	---	---
Oil Hours	50	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	111	---	---	---
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CONTAMINATION

Water	%	1.25	---	---	---
Silicon	ppm	13	---	---	---
Sodium	ppm	83	---	---	---
Potassium	ppm	6	---	---	---

WEAR METALS

PQ		19	---	---	---
Iron	ppm	168	---	---	---
Copper	ppm	13	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	2	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	3	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	12	---	---	---
Magnesium	ppm	14	---	---	---
Zinc	ppm	134	---	---	---
Phosphorus	ppm	1374	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	297	---	---	---

Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a high concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: VP794951
Unique No: 10660470
Signed: Don Baldrige
Report Date: 26 Sep 2023

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GRAPHS

