

OIL ANALYSIS REPORT

VOLVO PENTA

KEITH ROBINSON VOLVO PENTA 3194012578 - STARBOARD IPS

Sample No: VPA042246

Oil Type: NOT GIVEN

SAMPLE INFORMATION

Sample Number	VPA042246	---	---	---
Sample Date	29 Jun 2023	---	---	---
Machine Hours	993	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	■ 102	---	---	---
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CONTAMINATION

Silicon	ppm	■ 18	---	---	---
Sodium	ppm	■ 4	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

PQ		■ 24	---	---	---
Iron	ppm	▲ 447	---	---	---
Copper	ppm	▲ 44	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	■ 4	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	6	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	15	---	---	---
Phosphorus	ppm	1384	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	139	---	---	---

SINGLETON MARINE

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F:

Diagnosis

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. Please specify the brand, type, and viscosity of the oil on your next sample. Iron and copper ppm levels are abnormal. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP159751

Unique No: 10539890

Signed: Angela Borella

Report Date: 06 Jul 2023

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GRAPHS

