

OIL ANALYSIS REPORT

VOLVO PENTA

DAVID JOHNSTONE 13098 NO UNIT VPA050700 - STARBOARD GEAR UNIT

Sample No: VPA050700

Oil Type: SHELL ROTELLA T 30

SAMPLE INFORMATION

Sample Number	VPA050700	---	---	---
Sample Date	25 Jun 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

OIL CONDITION

Visc @ 40°C	cSt	117	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 4	---	---	---
Sodium	ppm	■ 46	---	---	---
Potassium	ppm	■ 3	---	---	---

WEAR METALS

PQ		■ 4	---	---	---
Iron	ppm	■ 29	---	---	---
Copper	ppm	102	---	---	---
Lead	ppm	▲ 736	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	2	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	778	---	---	---
Magnesium	ppm	1009	---	---	---
Zinc	ppm	■ 1181	---	---	---
Phosphorus	ppm	■ 1079	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 41	---	---	---

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CA N7S 6J4
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F:

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Lead ppm levels are abnormal. There is no indication of any contamination in the oil. The oil viscosity is higher than typical. Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VP627399
Unique No: 5801782
Signed: Kevin Marson
Report Date: 27 Jun 2024

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GRAPHS

