

OIL ANALYSIS REPORT

VOLVO PENTA

MATTHEW SIGMAN SAM VOLVO PENTA 51220379913 - INBOARD - GEARBOX

Sample No: VPA060413
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA060413	---	---	---
Sample Date	22 May 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	■ 78.0	---	---	---
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CONTAMINATION

Water	%	▲ 0.307	---	---	---
Silicon	ppm	■ 11	---	---	---
Sodium	ppm	■ 21	---	---	---
Potassium	ppm	■ 3	---	---	---

WEAR METALS

PQ		■ 47	---	---	---
Iron	ppm	■ 47	---	---	---
Copper	ppm	▲ 98	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 73	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	<1	---	---	---

ADDITIVES

Calcium	ppm	■ 1483	---	---	---
Magnesium	ppm	■ 692	---	---	---
Zinc	ppm	■ 917	---	---	---
Phosphorus	ppm	■ 830	---	---	---
Barium	ppm	26	---	---	---
Boron	ppm	263	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP794951
Unique No: 11057830
Signed: Jonathan Hester
Report Date: 04 Jun 2024

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GRAPHS

