

OIL ANALYSIS REPORT

VOLVO PENTA

BOUTWELL BOUTWELL VOLVO PENTA BOUTWELL - SAIL DRIVE (S/N UNKNOWN) - STARBOARD GEARBOX

Sample No: VPA048706
Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

Sample Number	VPA048706	---	---	---
Sample Date	27 Nov 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	6	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	▲ 71.0	---	---	---
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CONTAMINATION

Water	%	▲ 0.509	---	---	---
Silicon	ppm	■ 15	---	---	---
Sodium	ppm	■ 50	---	---	---
Potassium	ppm	■ 6	---	---	---

WEAR METALS

PQ		■ 26	---	---	---
Iron	ppm	■ 98	---	---	---
Copper	ppm	▲ 355	---	---	---
Lead	ppm	■ 21	---	---	---
Tin	ppm	■ 6	---	---	---
Aluminum	ppm	■ 3	---	---	---
Chromium	ppm	■ 1	---	---	---
Molybdenum	ppm	■ 36	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	■ 2224	---	---	---
Magnesium	ppm	■ 279	---	---	---
Zinc	ppm	■ 1323	---	---	---
Phosphorus	ppm	■ 1181	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 59	---	---	---

Diagnosis

We advise that you check for the source of water entry. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP152567
Unique No: 10765656
Signed: Jonathan Hester
Report Date: 05 Dec 2023

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GRAPHS

