

OIL ANALYSIS REPORT

VOLVO PENTA

LONNY CRITES 502817 YANMAR 4JH5E - SAILDRIVE - GEARBOX

Sample No: VPA060512

Oil Type: VOLVO PENTA GL-5 SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA060512	---	---	---
Sample Date	28 Feb 2024	---	---	---
Machine Hours	103	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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OIL CONDITION

Visc @ 40°C	cSt	● 69.8	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 12	---	---	---
Sodium	ppm	■ 35	---	---	---
Potassium	ppm	■ 3	---	---	---

WEAR METALS

PQ		■ 58	---	---	---
Iron	ppm	■ 132	---	---	---
Copper	ppm	▲ 92	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	● 59	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	● 1090	---	---	---
Magnesium	ppm	● 916	---	---	---
Zinc	ppm	● 1209	---	---	---
Phosphorus	ppm	■ 1070	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	● 38	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot: VP794951
Unique No: 10911247
Signed: Jonathan Hester
Report Date: 06 Mar 2024

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GRAPHS

