

OIL ANALYSIS REPORT

VOLVO PENTA

JACK SIMON TOM ZF 20092553 - INBOARD - PORT GEARBOX

Sample No: VPA056078

Oil Type: KENDALL SUPER-D 3 SAE 30

SAMPLE INFORMATION

Sample Number	VPA056078	VPA056352	---	---
Sample Date	29 Sep 2023	06 Sep 2023	---	---
Machine Hours	521	510	---	---
Oil Hours	9	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	SEVERE	---	---

ADMIRALTY MARINE

2775 KURTZ ST, STE 12

SAN DIEGO, CA

US 92110

Contact: Terry Albee

TALBEE@ADMIRALTYMARINE.NET

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F:

OIL CONDITION

Visc @ 40°C	cSt	■ 94.7	■ 82.4	---	---
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CONTAMINATION

Silicon	ppm	■ 4	■ 9	---	---
Sodium	ppm	■ <1	■ 2	---	---
Potassium	ppm	■ 1	■ 5	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal for OEM. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS

PQ		■ 20	■ 22	---	---
Iron	ppm	■ 10	■ 36	---	---
Copper	ppm	■ 119	● 458	---	---
Lead	ppm	■ 49	● 172	---	---
Tin	ppm	■ 11	● 39	---	---
Aluminum	ppm	■ 2	▲ 7	---	---
Chromium	ppm	■ <1	■ <1	---	---
Molybdenum	ppm	■ 5	■ 27	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	<1	■ <1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	■ 3453	■ 2711	---	---
Magnesium	ppm	■ 48	■ 36	---	---
Zinc	ppm	■ 1252	■ 1207	---	---
Phosphorus	ppm	■ 1086	■ 1046	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 17	■ 29	---	---

Depot: VP151529

Unique No: 10673161

Signed: Doug Bogart

Report Date: 03 Oct 2023

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GRAPHS

