

OIL ANALYSIS REPORT

VOLVO PENTA

JEREMY ASARESE HURTH HURTH ZF 63 (S/N NOT GIVEN) - GEARBOX

Sample No: VPA046105

Oil Type: PENNZOIL MULTI VEHICLE ATF FLUID

SAMPLE INFORMATION

Sample Number	VPA046105	---	---	---
Sample Date	20 Dec 2023	---	---	---
Machine Hours	700	---	---	---
Oil Hours	100	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

Saba Marine LLC

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OIL CONDITION

Visc @ 40°C	cSt	■ 28.7	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Clutch wear is indicated. 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		■ 19	---	---	---
Iron	ppm	■ 55	---	---	---
Copper	ppm	▲ 126	---	---	---
Lead	ppm	▲ 28	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	67	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	119	---	---	---
Phosphorus	ppm	196	---	---	---
Barium	ppm	8	---	---	---
Boron	ppm	73	---	---	---

Depot: VP751561
Unique No: 10916700
Signed: Jonathan Hester
Report Date: 12 Mar 2024

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GRAPHS

