

# OIL ANALYSIS REPORT

# VOLVO PENTA

## NADINE URCIUOLI 2300439 VOLVO PENTA MS10L-A - CENTER TRANSMISSION

Sample No: VPA051749

Oil Type: CHEVRON AUTOMATIC TRANS FLUID MD-3

### SAMPLE INFORMATION

Sample Number	VPA051749	---	---	---
Sample Date	28 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	200	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	MARGINAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	■ 26.4	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ <1	---	---	---

### WEAR METALS

PQ		■ 54	---	---	---
Iron	ppm	■ 76	---	---	---
Copper	ppm	■ 49	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 3	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	■ 0	---	---	---

### ADDITIVES

Calcium	ppm	■ 5	---	---	---
Magnesium	ppm	■ 8	---	---	---
Zinc	ppm	■ 12	---	---	---
Phosphorus	ppm	■ 151	---	---	---
Barium	ppm	■ 13	---	---	---
Boron	ppm	■ 67	---	---	---

#### Helmut's Marine Service

619 Canal Street

SAN RAFAEL, CA

US 94901-3545

Contact: NADINE URCIUOLI

SERVICE@HELMUTSMARINE.COM

T: x:

F: x:

#### Diagnosis

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: VP152741

Unique No: 10635446

Signed: Doug Bogart

Report Date: 11 Sep 2023

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## GRAPHS

